MHC-RG330

MANUAL DE SERVIÇO

Brazilian Model

Especificações Técnicas

MHC-RG330

Potência de Saída RMS 120 + 120 watts (6 ohms a 1 kHz, 10%THD)
Potência de Saída PMPO 2600W

Entradas

GAME INPUT AUDIO L/R (tomadas RCA): Sensibilidade 250 mV, impedância 47 kilohms
GAME INPUT VIDEO (tomada RCA): 1Vp-p, 75 ohms

Saídas

PHONES (minitomada estéreo): aceita fone de ouvido de 8 ohms ou mais
VIDEO OUT (tomada RCA): nível máx. de saída 1Vp-p, não balanceado, sincronismo negativo, impedância de carga de 75 ohms
SPEAKER: aceita impedância de 6 a 16 ohms.

Reprodutor de CDs

Sistema	Sistema de áudio digital de disco compacto
Laser	Laser semiconductor (λ=780 nm) Duração da emissão: contínua
Resposta de Freqüência	2 Hz – 20 kHz (±0,5 dB)
Comprimento de onda	780 – 790 nm
Relação Sinal-Ruído	Maior que 90 dB
Faixa Dinâmica	Maior que 90 dB

Seção CD	Modelo que usa mecanismo similar	MHC-RG220
	Tipo do Mecanismo do CD	CDM74F-K6BD71
	Nome da Unidade Óptica	KSM-213DCP
Seção Toca-Fitas	Modelo que usa mecanismo similar	MHC-RG220
	Tipo do Mecanismo do Toca-Fitas	CWM43FF-05

Reprodutor de Fitas

Sistema de Gravação	4-pistas 2 canais estéreo
Resposta de Freqüência	50 – 13.000 Hz (±3 dB), utilizando fita cassete Sony tipo I (normal)
Wow e flutter	Menor que 0,3% W. RMS (DIN)

Rádio

FM estéreo, sintonizador super-heteródino de FM/AM

Sintonizador FM

Faixa de Sintonização	87,5 – 108,0 MHz
Antena	Antena monofilar de FM
Terminais de Antena	75 ohms, não balanceado
Freqüência Intermediária	10,7 MHz

Sintonizador AM

Faixa de Sintonização	530 – 1.710 kHz (com intervalo de freqüência ajustado em 10kHz) 531 – 1.602 kHz (com intervalo de freqüência ajustado em 9kHz)
Antena	Antena Loop de AM
Terminal de Antena	Terminal da antena externa
Freqüência Intermediária	450 kHz

continua na prox. página ->

SISTEMA COMPACTO DE SOM

COMPACT disc DIGITAL AUDIO

GameSync MIXING

SONY®

-> continuação das especificações técnicas

Caixas acústicas

Modelo SS-RG660 para MHC-RG330

Sistema	3 vias, 3 unidades, tipo bass reflex
Unidades de Alto-falantes	
Woofer:	15 cm, tipo cone
Sub woofer:	15 cm, tipo cone
Tweeter:	5 cm, tipo cone
Impedância Nominal	6 ohms
Dimensões (LxAxP)	Aprox. 240 × 363 × 290 mm
Peso	Aprox. 4,6 kg cada caixa

Geral

Alimentação	127 V / 220 V CA, 60 Hz Ajustável com seletor de voltagem
Consumo	MHC-RG330:120 watts
Dimensões (LxAxP)	Aprox. 280 × 325 × 407 mm
Peso	HCD-RG330:Aprox. 8,8 kg
Acessórios Fornecidos	Controle Remoto (1) Pilhas tipo AA (2) Antena Loop de AM(1) Antena monofilar de FM (1) Pés de apoio para as caixas acústicas (8)

Projeto e especificações técnicas sujeitos a alteração sem prévio aviso.

NOTAS SOBRE O MANUSEIO DA UNIDADE ÓPTICA

O diodo laser da unidade óptica é sensível a descargas eletroestáticas podendo ser danificado por descargas causadas por roupas ou mesmo pelo corpo humano. Durante o reparo tenha cuidado para não causar danos a unidade, devido a descargas eletroestáticas e siga corretamente os procedimentos descritos nesse manual para a execução de reparos e troca de componentes. As placas de circuito impresso são facilmente danificadas, tenha muito cuidado para manuseá-las.

NOTAS SOBRE O DIODO EMISSOR DE LASER

O feize laser nesse modelo é concentrado e deve ser focado na superfície reflexiva do disco, pela lente objetiva da unidade óptica. Quando observar a emissão do diodo laser, tome o cuidado de estar no mínimo a 30 cm da lente objetiva.

O componente laser desse produto é capaz de emitir radiação, excedendo o limite da Classe 1.

Este aparelho é classificado como um produto LASER CLASSE 1. O símbolo do produto laser classe 1 está localizado na parte posterior externa do aparelho.

Atenção
O uso dos controles, ajustes ou execução de procedimentos que não sejam os descritos nesse manual, podem causar exposição a uma perigosa radiação.

Notas sobre substituição de componentes tipo chip

- Nunca reutilize um componente tipo chip.
- Informamos que os capacitores eletrolíticos de tântalo podem ser danificados se expostos a altas temperaturas.

Notas sobre o reparo da placa de circuito impresso

- Mantenha a temperatura do ferro de solda por volta de 270℃ durante o reparo.
- Não ressolde componentes em um mesmo ponto da placa mais de três vezes.
- Tenha cuidado para não forçar os condutores (trilhas) da placa durante o processo de soldagem e dessoldagem.

ATENÇÃO COM OS COMPONENTES DE SEGURANÇA !

OS COMPONENTES IDENTIFICADOS COM A MARCA ⚠ NOS DIAGRAMAS ESQUEMÁTICOS E NA LISTA DE PEÇAS SÃO CRÍTICOS PARA A SEGURANÇA. SOMENTE OS SUBSTITUA POR PEÇAS IDENTIFICADAS NESSE MANUAL OU EM SUPLEMENTOS PUBLICADOS PELA SONY.

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SEÇÃO 1
GERAL

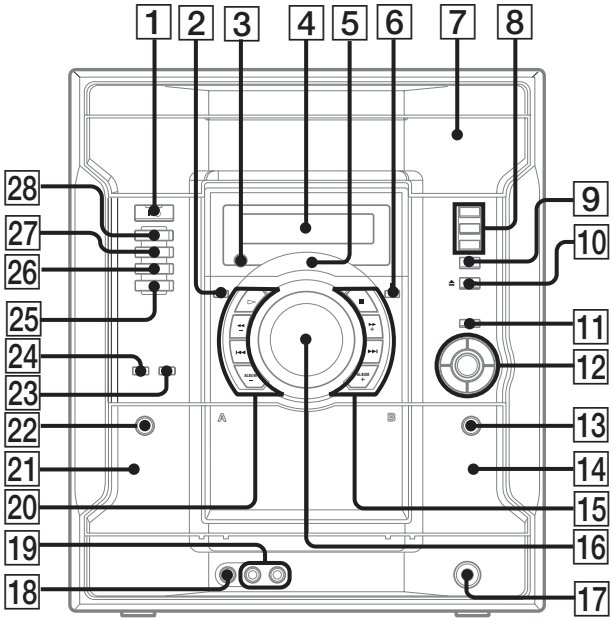
Localização e Função dos Controles

Aparelho

Veja as páginas entre parênteses para mais informações (arquivo do manual de instruções)

1 Tecla I/⏻ (power) (12, 13, 19, 26, 30, 32)
2 Tecla DISPLAY (2, 27, 28)
3 Sensor de controle remoto
4 Visor
5 Indicador Power (28)
6 Tecla ❚❚ (pausa) (15, 21)
7 Gaveta de discos (14)
8 Teclas DISC 1 ~ 3 (15, 17)
9 Tecla DISC SKIP/EXCHANGE (14, 15)
10 Tecla ⏏ (14)
11 Tecla EFFECT ON/OFF (23)
12 Tecla GAME EQ (23)
Tecla GAME MIXING (24)
Tecla GROOVE (23, 32)
Tecla MOVIE EQ (23)
Tecla MUSIC EQ (23)
13 PUSH ⏏ (deck B) (21)
14 Deck B (21, 22)
15 Tecla ■ (parada) (15, 21, 22)
Tecla ▶▶/+ (15, 18, 21)
Tecla ▶▶I (13, 15, 18, 21, 25)
Tecla ALBUM +* (15, 17)
16 Controle VOLUME (25)
17 Tomada PHONES
18 Tomada GAME INPUT VIDEO (29)
19 Tomadas GAME INPUT AUDIO L/R (29)
20 Tecla ▷ (reprodução) (15, 21)
Tecla –/◀◀ (15, 18, 21)
Tecla I◀◀ (13, 15, 18, 21, 25)
Tecla ALBUM –* (15, 17)
21 Deck A (21)
22 ⏏ PUSH (deck A) (21)
23 Tecla REC PAUSE/START (22, 24)
24 Tecla CD SYNC (22)
25 Tecla GAME (24, 29)
26 Tecla TAPE A/B (21, 22)
27 Tecla TUNER/BAND (18, 19, 22)
28 Tecla CD (14, 17, 22)

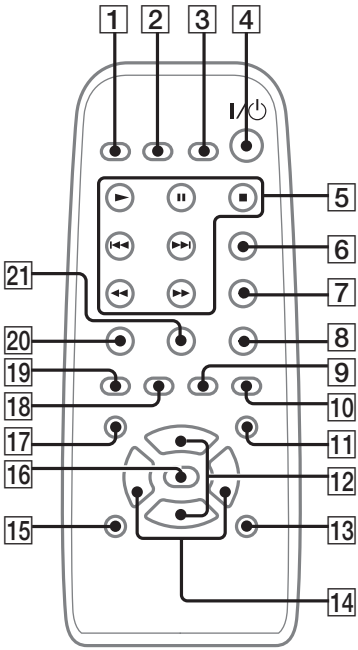
* Somente para o modelo MHC-RG330



Controle Remoto para o modelo MHC-RG330 (RM-SRG440)

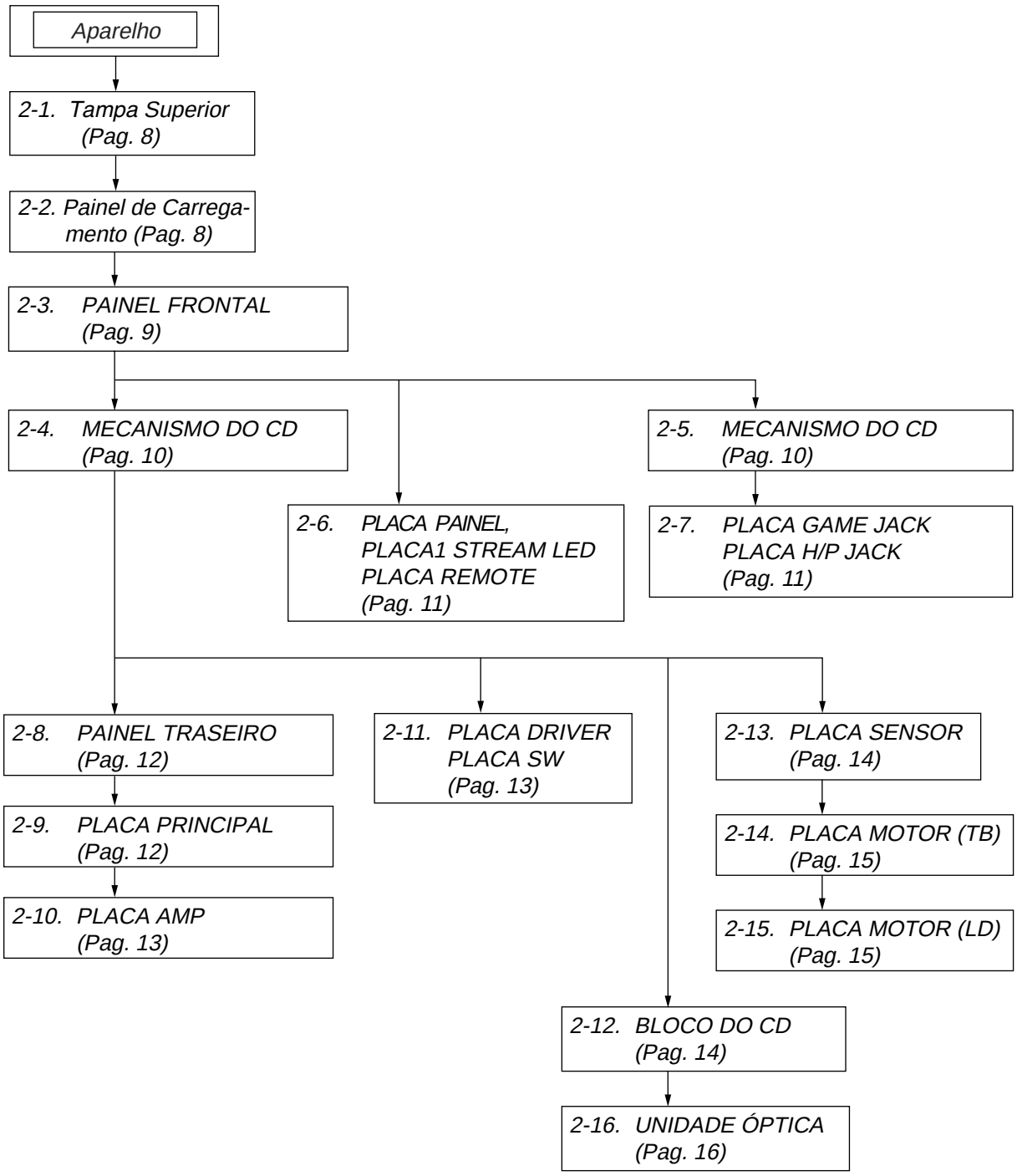
1 Tecla SLEEP (25)
2 Tecla CLOCK/TIMER SELECT (26, 27)
3 Tecla CLOCK/TIMER SET (13, 25, 26)
4 Tecla I/⏻ (power) (12, 19, 26, 30, 32)
5 Tecla ▶▶/TUNING + (15, 18, 20, 21)
Tecla ▶▶I/PRESET + (13, 15, 18, 19, 21, 25)
Tecla ▶ (reprodução) (15, 21)
Tecla ❚❚ (pausa) (15, 21)
Tecla ■ (parada) (15, 21, 22)
Tecla ◀◀/TUNING – (15, 18, 20, 21)
Tecla CLEAR (17)
Tecla I◀◀/PRESET – (13, 15, 18, 19, 21, 25)
6 Tecla DISPLAY (27, 28)
7 Tecla D. SKIP (15)
8 Tecla TUNER MEMORY (18)
9 Tecla TAPE A/B (21, 22)
10 Tecla GAME (MD)* (24, 29)
11 Tecla SURROUND (24)
12 Teclas VOL +/– (25)
13 Tecla GROOVE (23, 32)
14 Teclas ALBUM +/– (15, 17)
15 Tecla ILLUMINATION (28)
16 Tecla ENTER (13, 17, 18, 25, 26)
17 Tecla PRESET EQ (23)
18 Tecla TUNER/BAND (18, 19, 22)
19 Tecla CD (14, 17, 22)
20 Tecla PLAY MODE (15, 17, 21)
21 Tecla REPEAT (16)
Tecla FM MODE (20)

* Esta tecla é utilizada para mudar para a função GAME.



SEÇÃO 2
DESMONTAGEM

Nota : Siga o procedimento de desmontagem na ordem numérica dada.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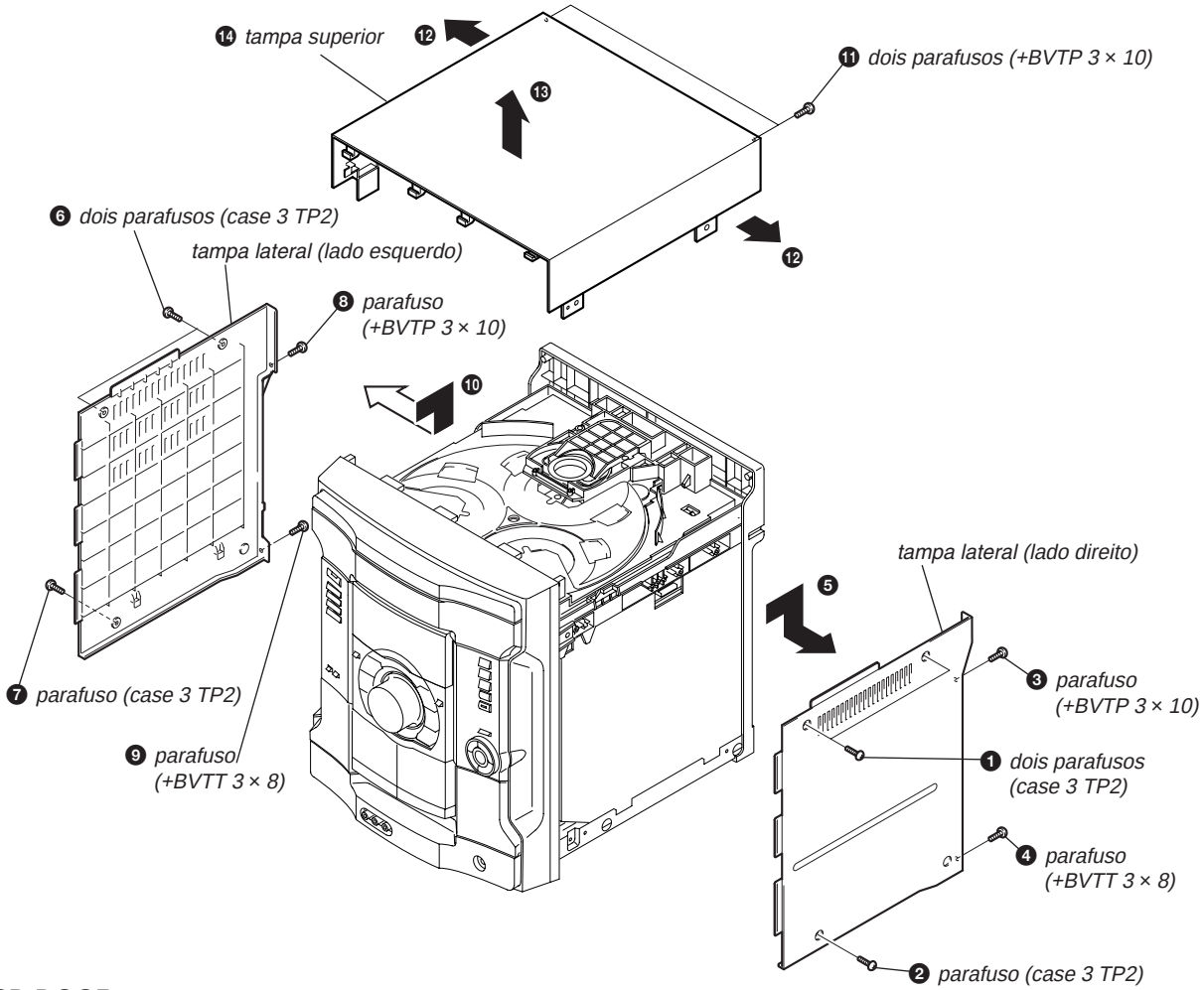
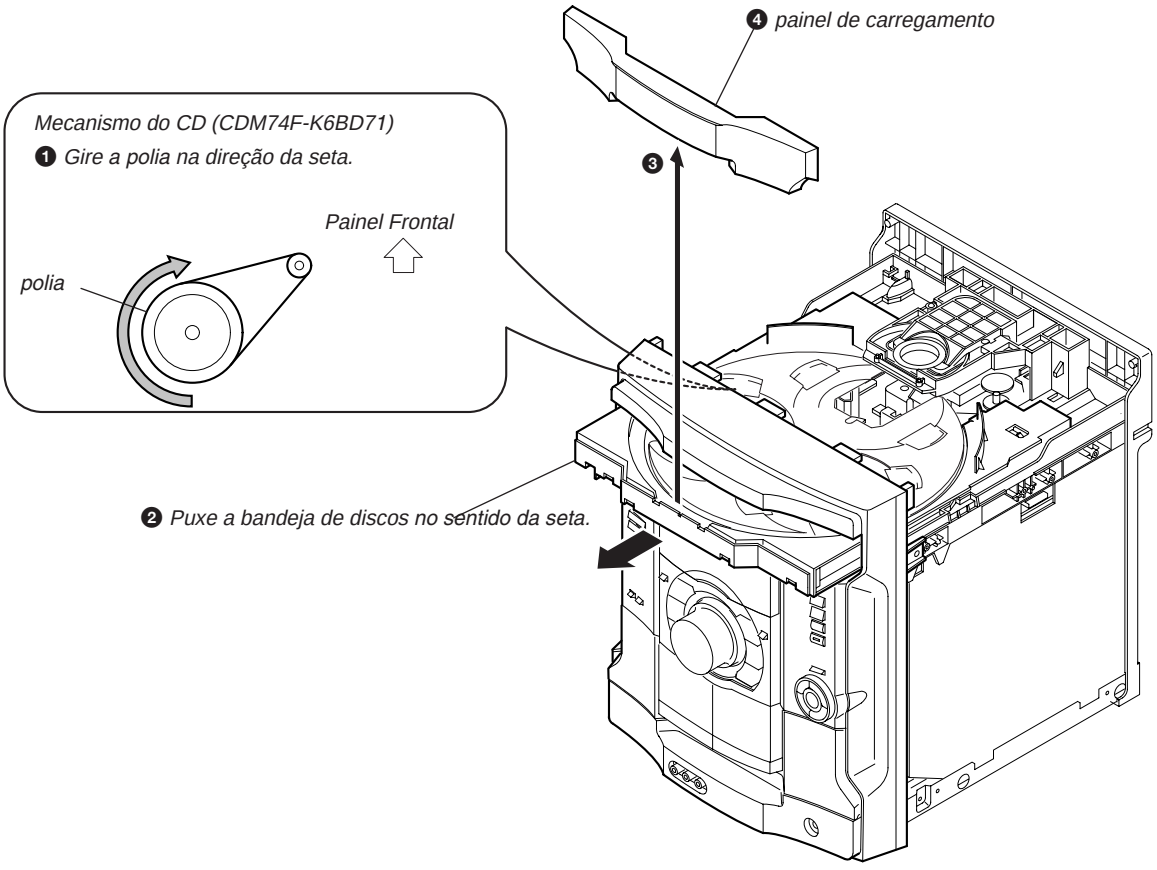
Nota : Siga o procedimento de desmontagem na ordem numérica dada.

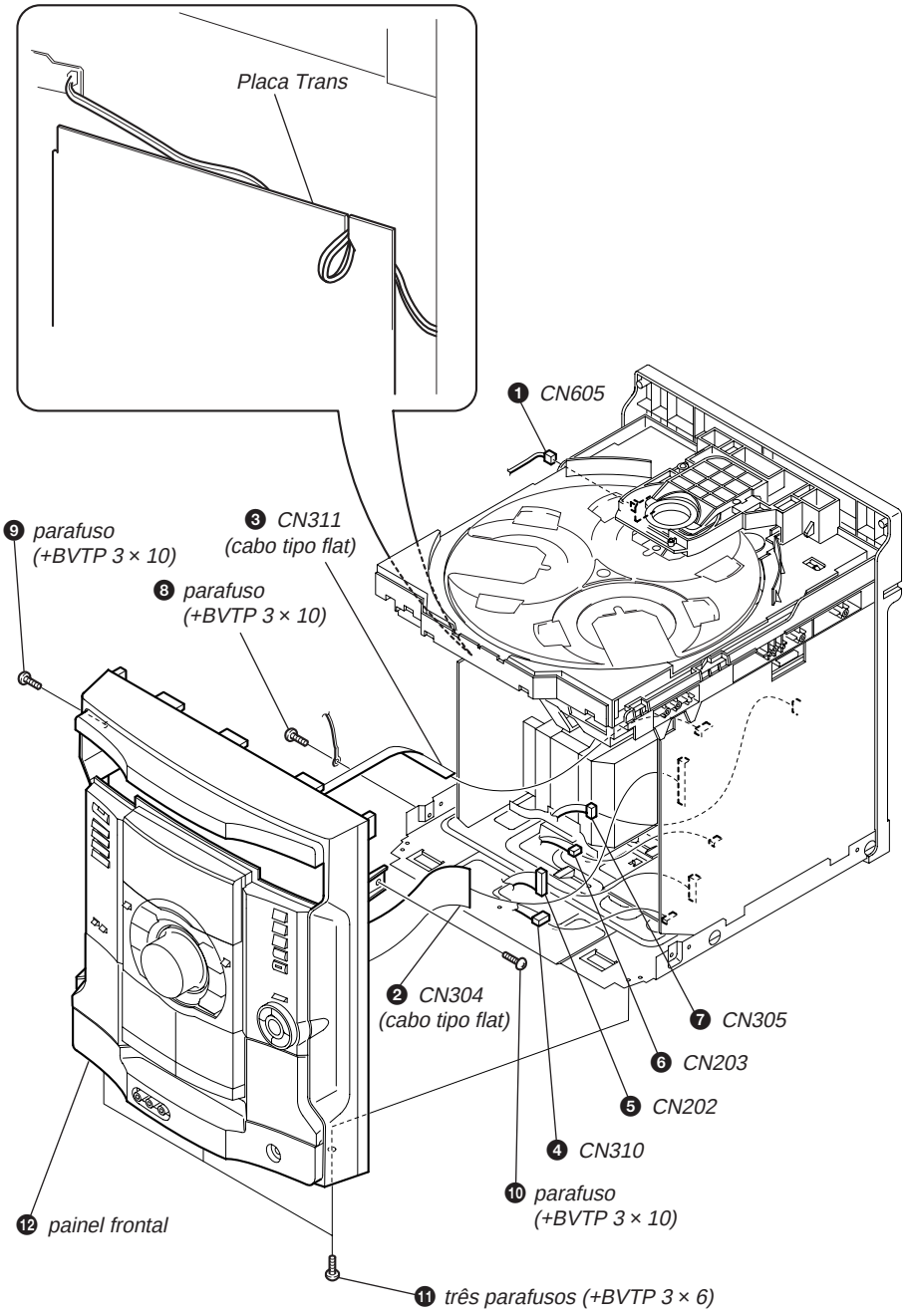
2-1. TAMPA SUPERIOR


⓮ tampa superior
⓬
⓫ dois parafusos (+BVTP 3 × 10)
⓭
⓬
❻ dois parafusos (case 3 TP2)
tampa lateral (lado esquerdo)
❽ parafuso (+BVTP 3 × 10)
❿
❼ parafuso (case 3 TP2)
❾ parafuso (+BVTT 3 × 8)
❺
tampa lateral (lado direito)
❸ parafuso (+BVTP 3 × 10)
❶ dois parafusos (case 3 TP2)
❹ parafuso (+BVTT 3 × 8)
❷ parafuso (case 3 TP2)

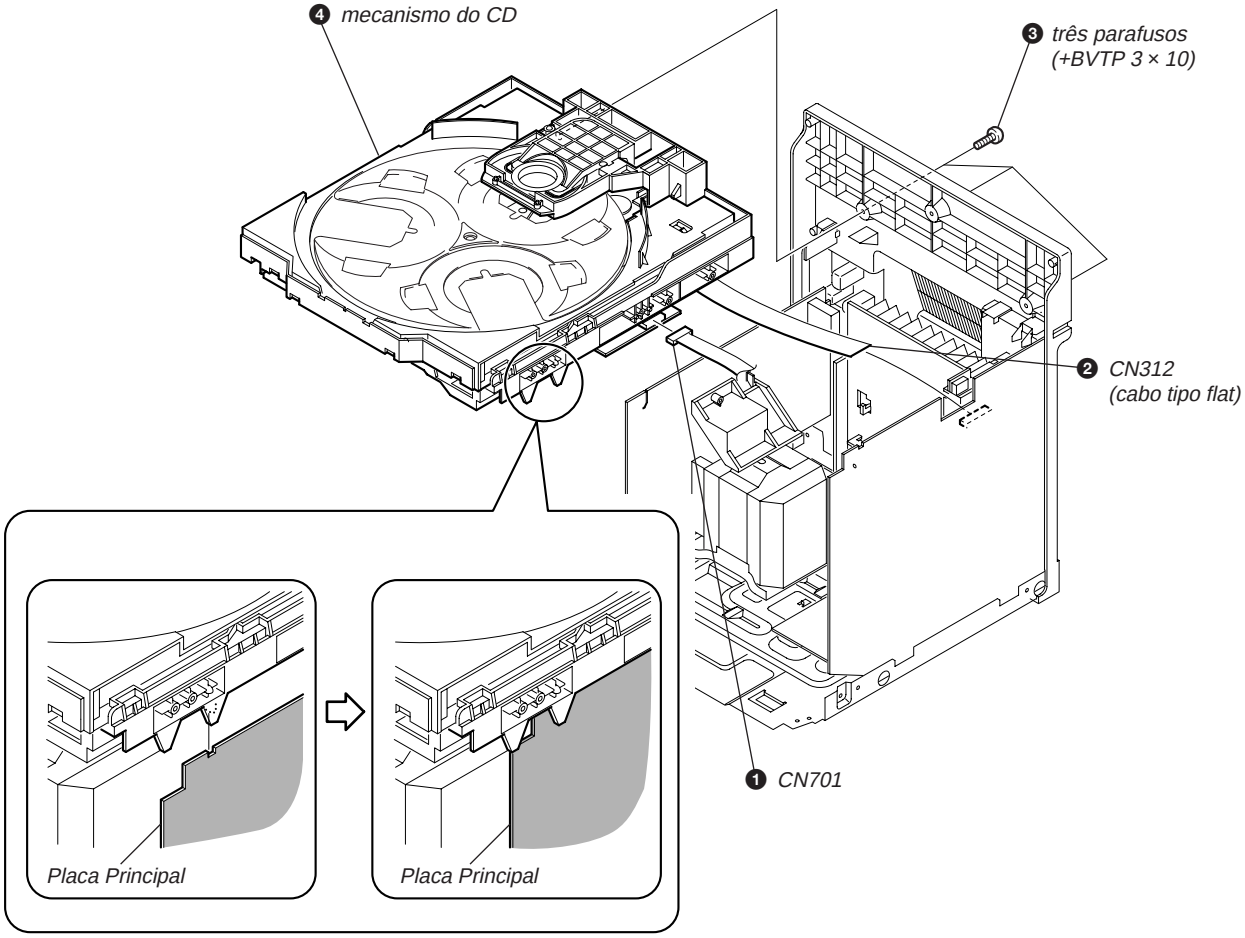
2-2. CD DOOR


❹ painel de carregamento
Mecanismo do CD (CDM74F-K6BD71)
❶ Gire a polia na direção da seta.
Painel Frontal
polia
❸
❷ Puxe a bandeja de discos no sentido da seta.

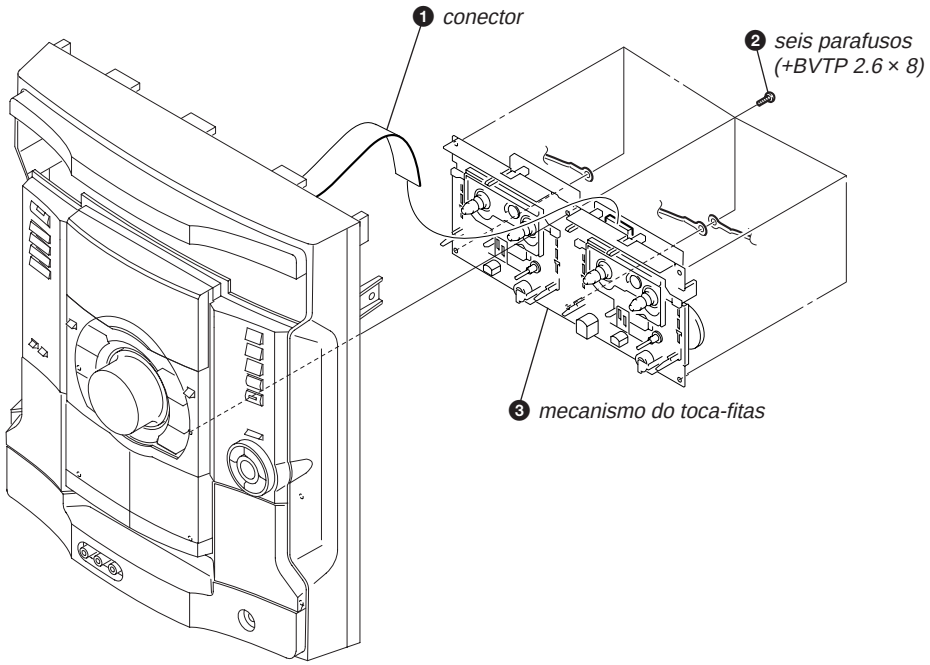
2-3. PAINEL FRONTAL



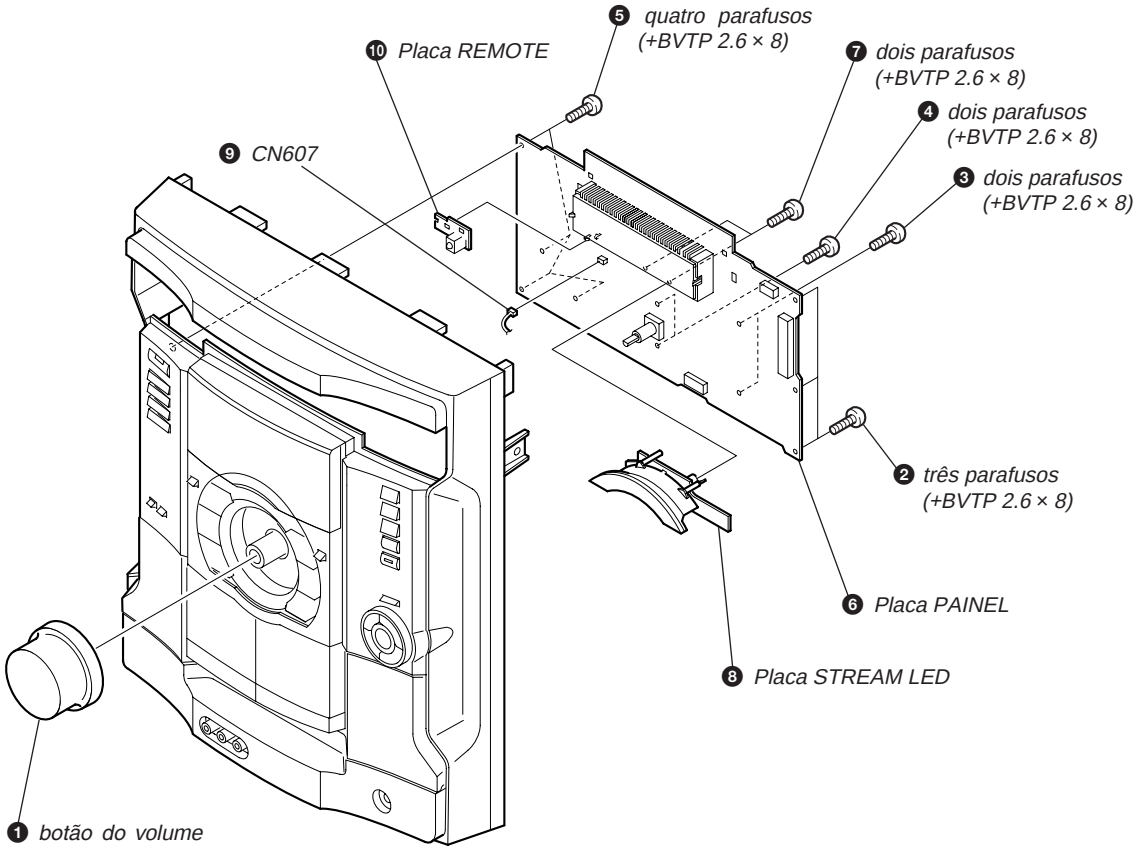
2-4. MECANISMO DO CD



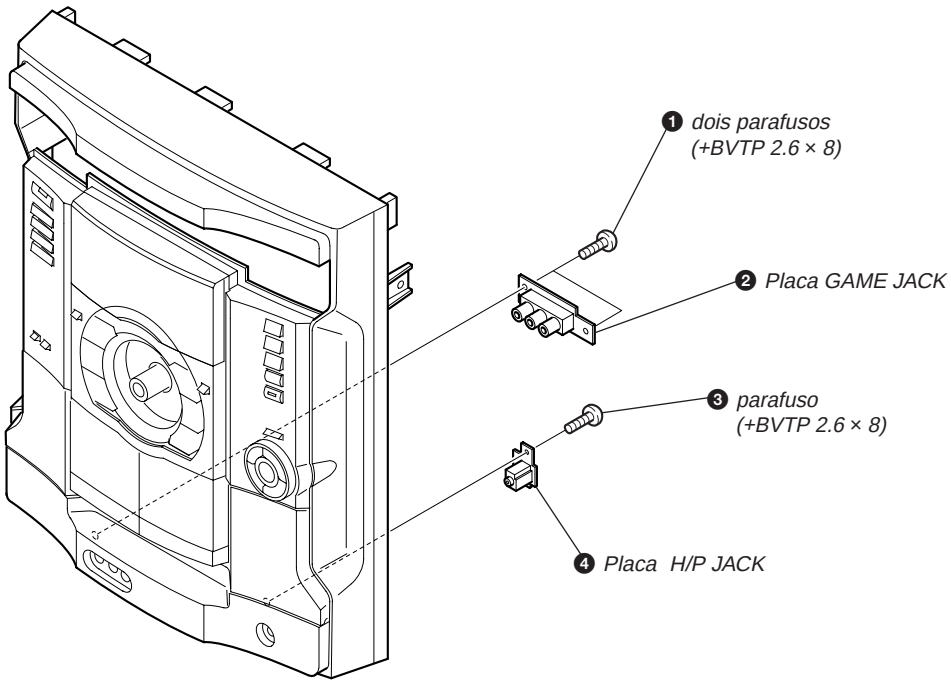
2-5. MECANISMO DO TOCA-FITAS



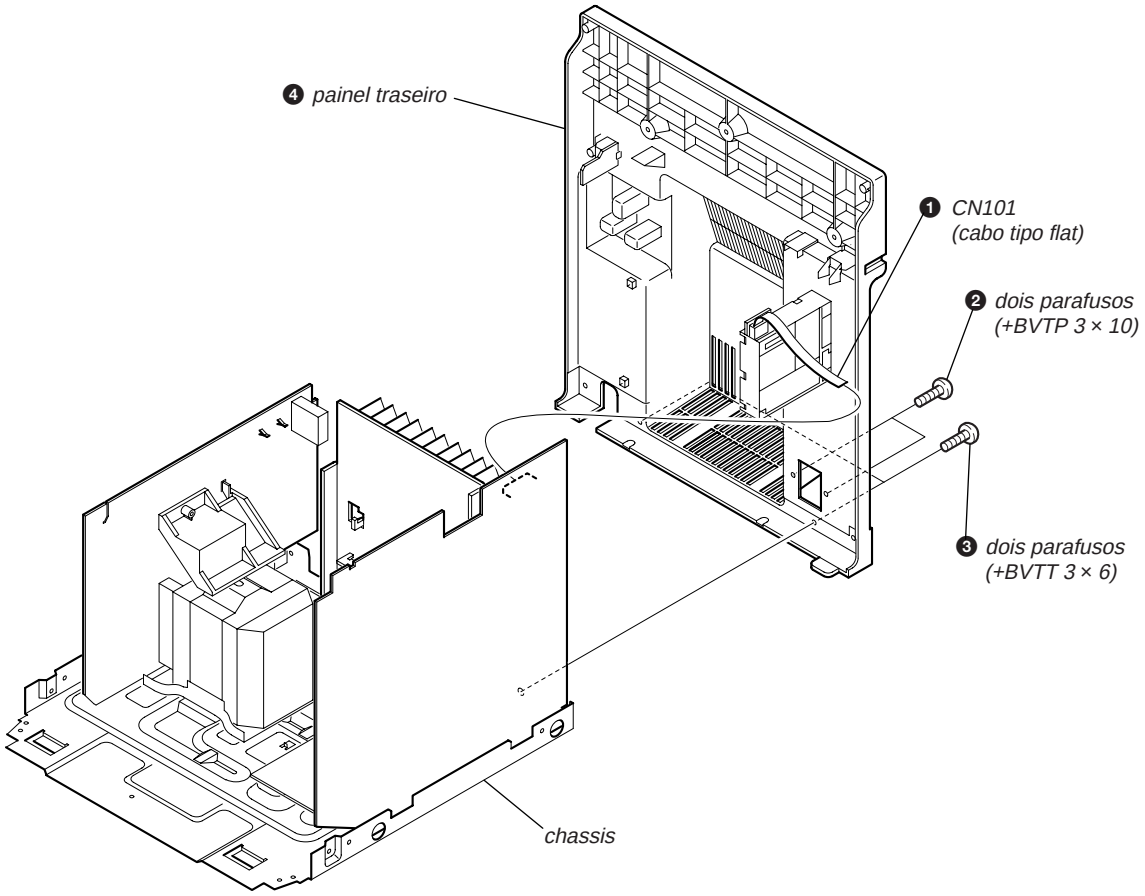
2-6. PLACA PAINEL, PLACA 1 STREAM LED, PLACA REMOTE


❺ quatro parafusos (+BVTP 2.6 × 8)
❿ Placa REMOTE
❼ dois parafusos (+BVTP 2.6 × 8)
❹ dois parafusos (+BVTP 2.6 × 8)
❾ CN607
❸ dois parafusos (+BVTP 2.6 × 8)
❷ três parafusos (+BVTP 2.6 × 8)
❻ Placa PAINEL
❽ Placa STREAM LED
❶ botão do volume

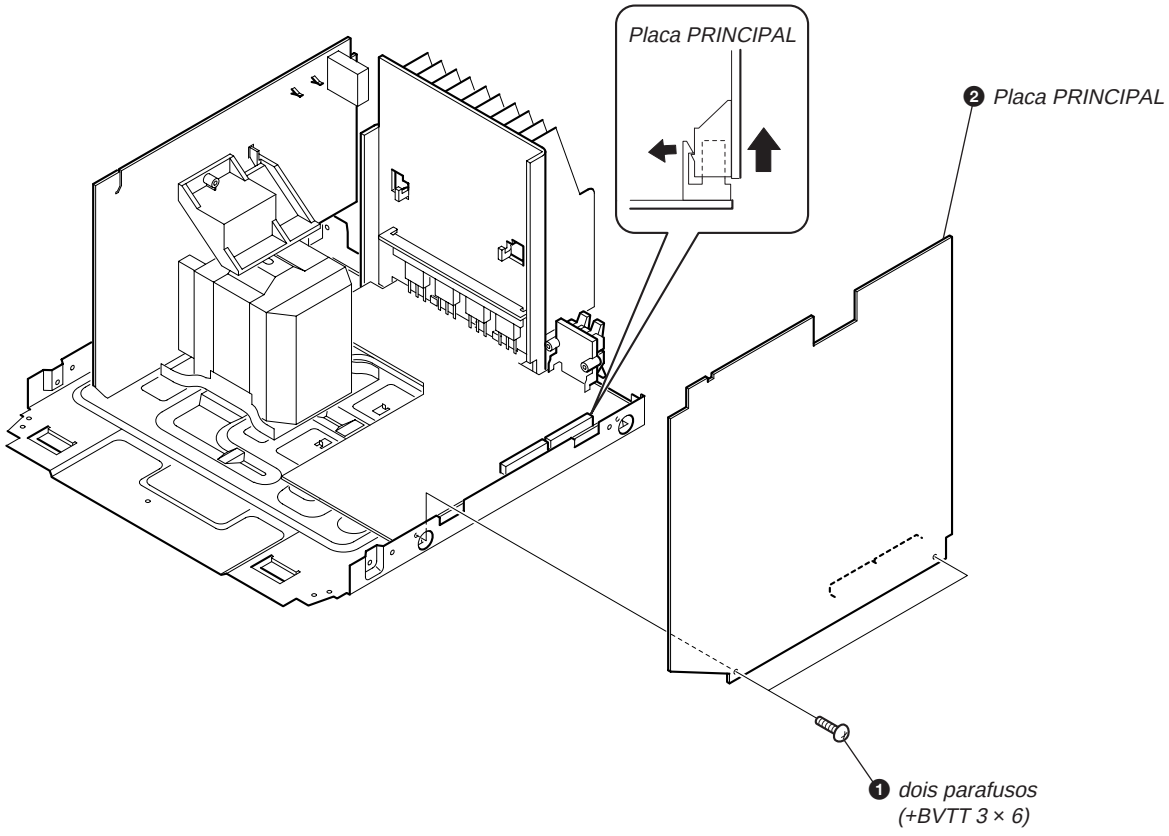
2-7. PLACA GAME JACK , PLACA H/P JACK



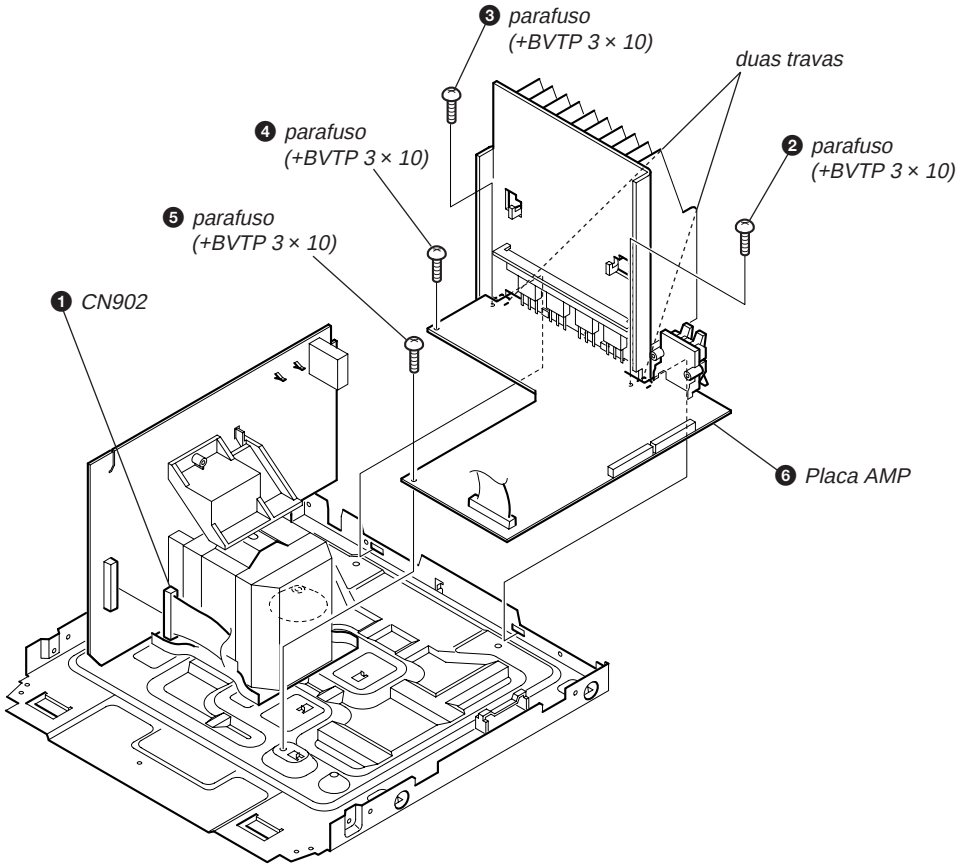
2-8. PAINEL TRASEIRO



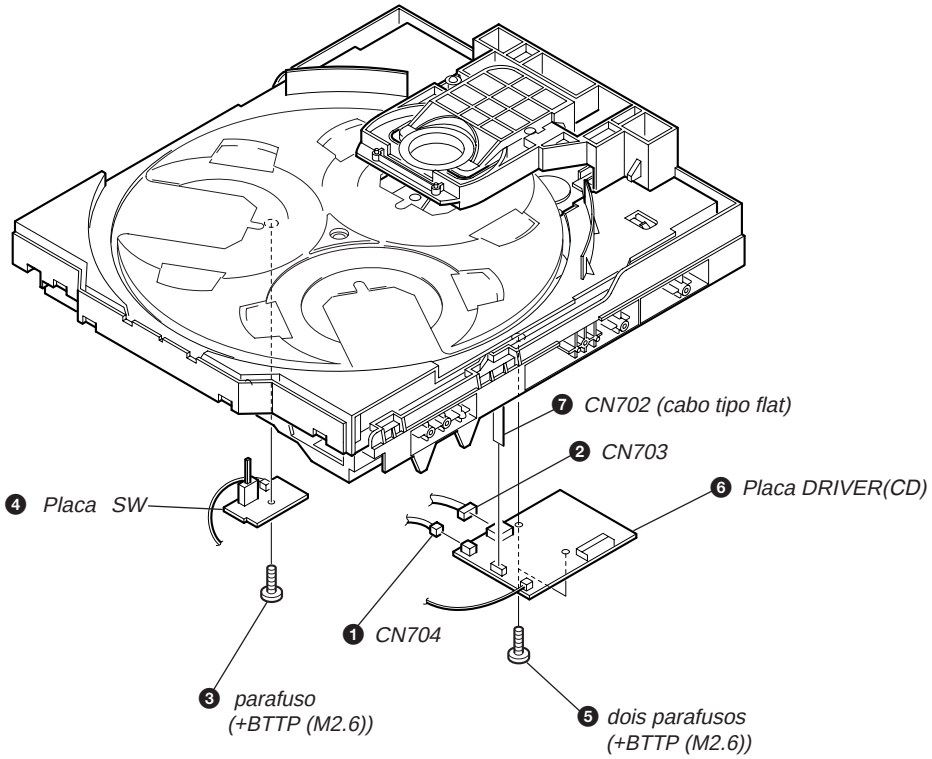
2-9. PLACA PRINCIPAL



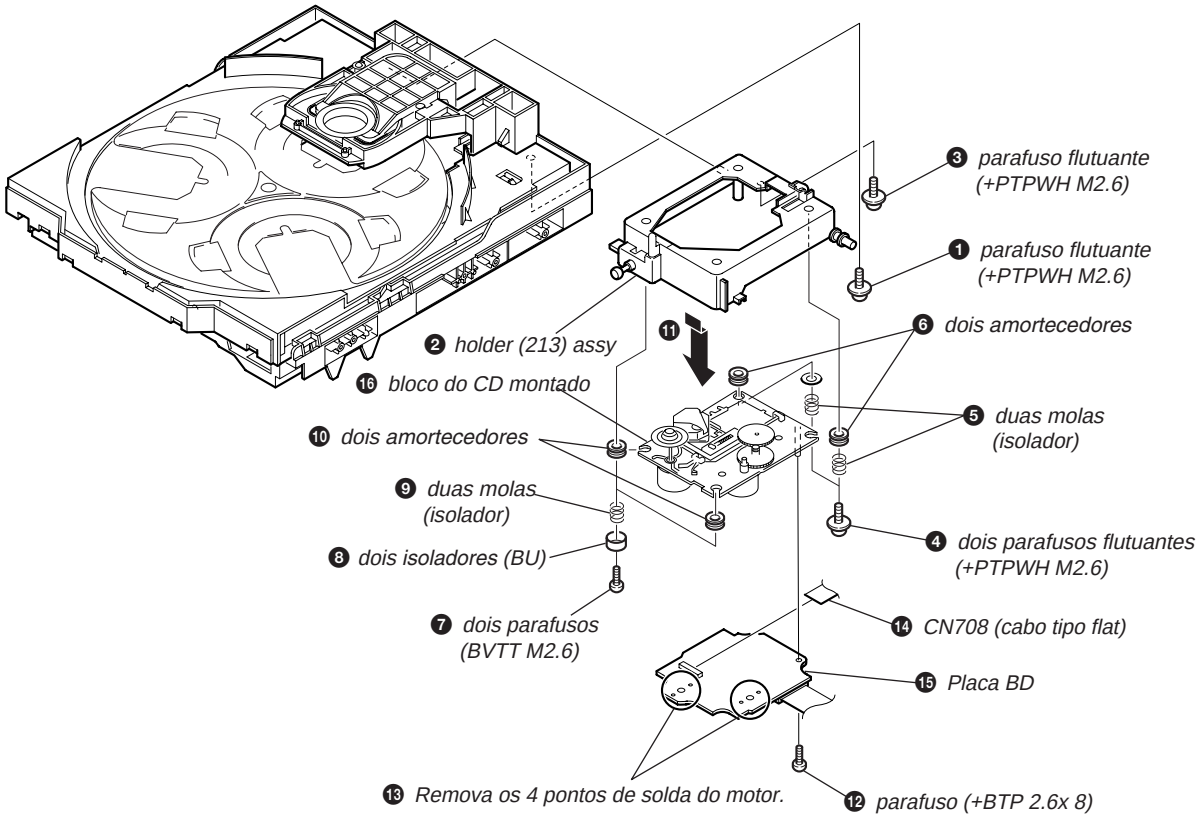
2-10. PLACA AMP



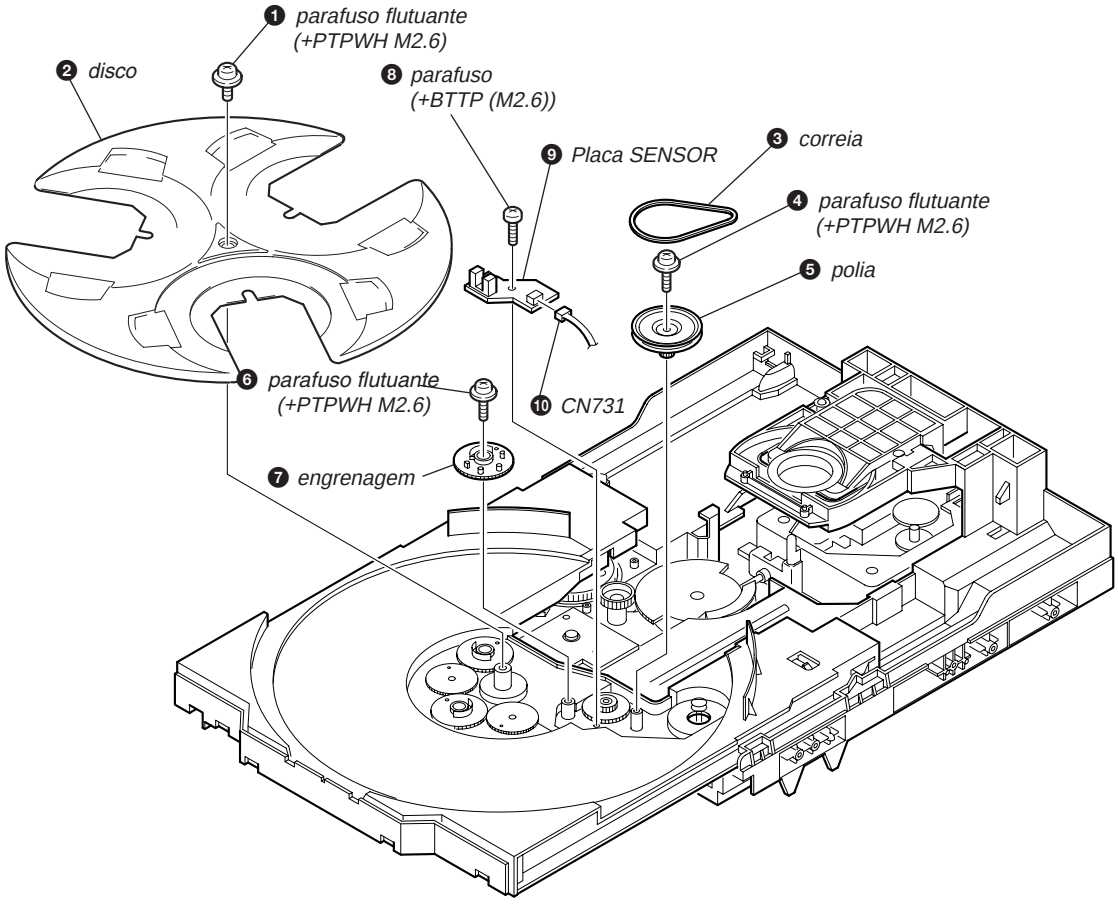
2-11. PLACAS DRIVER E SW



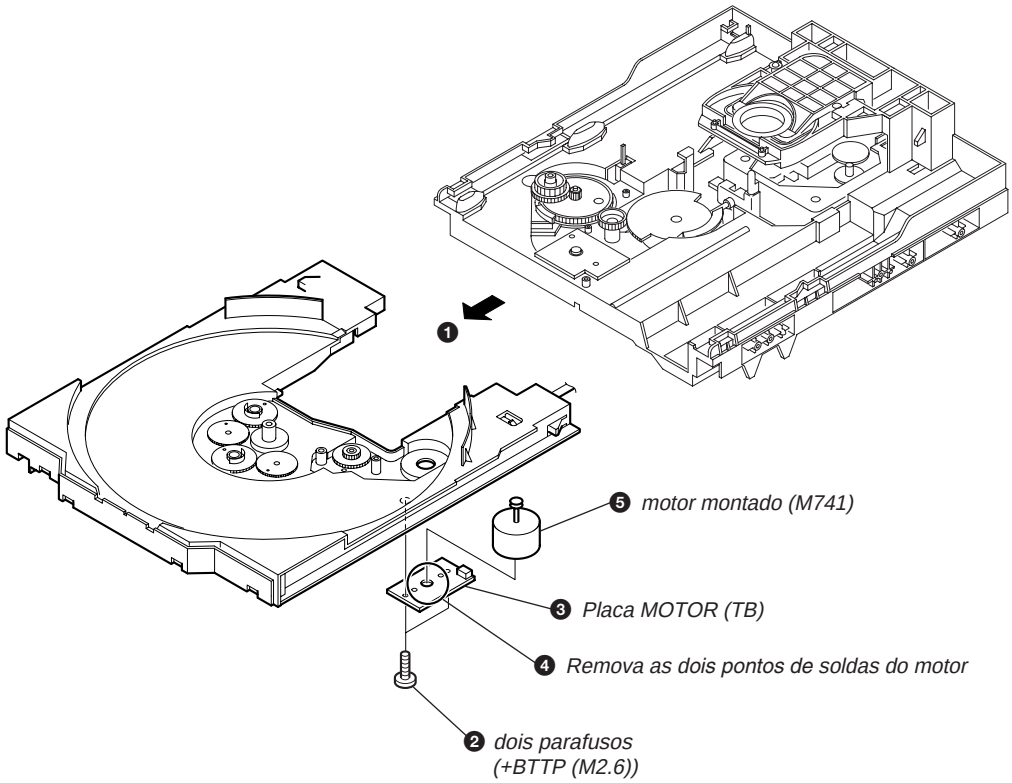
2-12. BLOCO DO CD


❸ parafuso flutuante (+PTPWH M2.6)
❶ parafuso flutuante (+PTPWH M2.6)
❻ dois amortecedores
❷ holder (213) assy
⓫
⓰ bloco do CD montado
❺ duas molas (isolador)
❿ dois amortecedores
❾ duas molas (isolador)
❹ dois parafusos flutuantes (+PTPWH M2.6)
❽ dois isoladores (BU)
❼ dois parafusos (BVTT M2.6)
⓮ CN708 (cabo tipo flat)
⓯ Placa BD
⓭ Remova os 4 pontos de solda do motor.
⓬ parafuso (+BTP 2.6x 8)

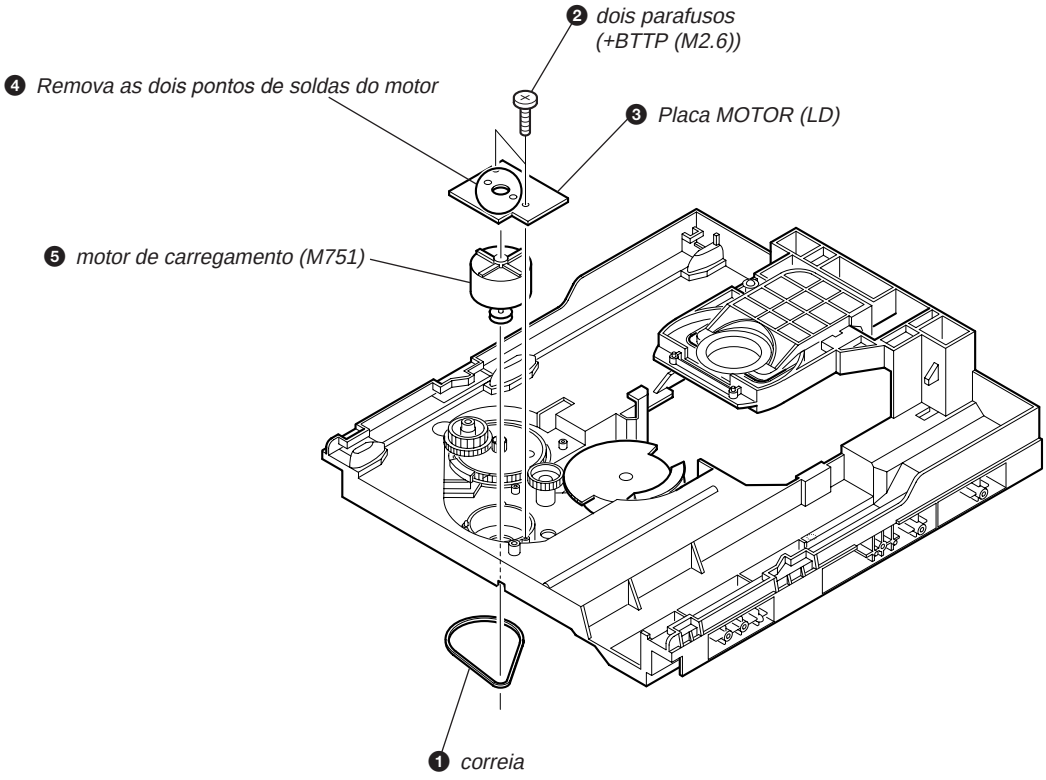
2-13. PLACA SENSOR



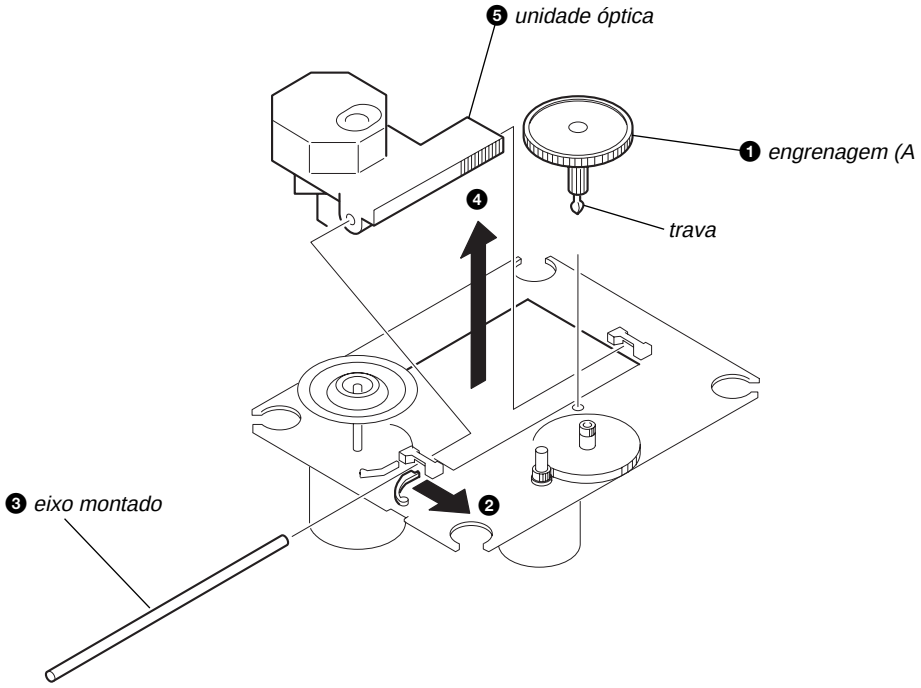
2-14. PLACA MOTOR (TB)



2-15. PLACA MOTOR (LD)


❷ dois parafusos
(+BTTP (M2.6))
❹ Remova as dois pontos de soldas do motor
❸ Placa MOTOR (LD)
❺ motor de carregamento (M751)
❶ correia

2-16. UNIDADE ÓPTICA



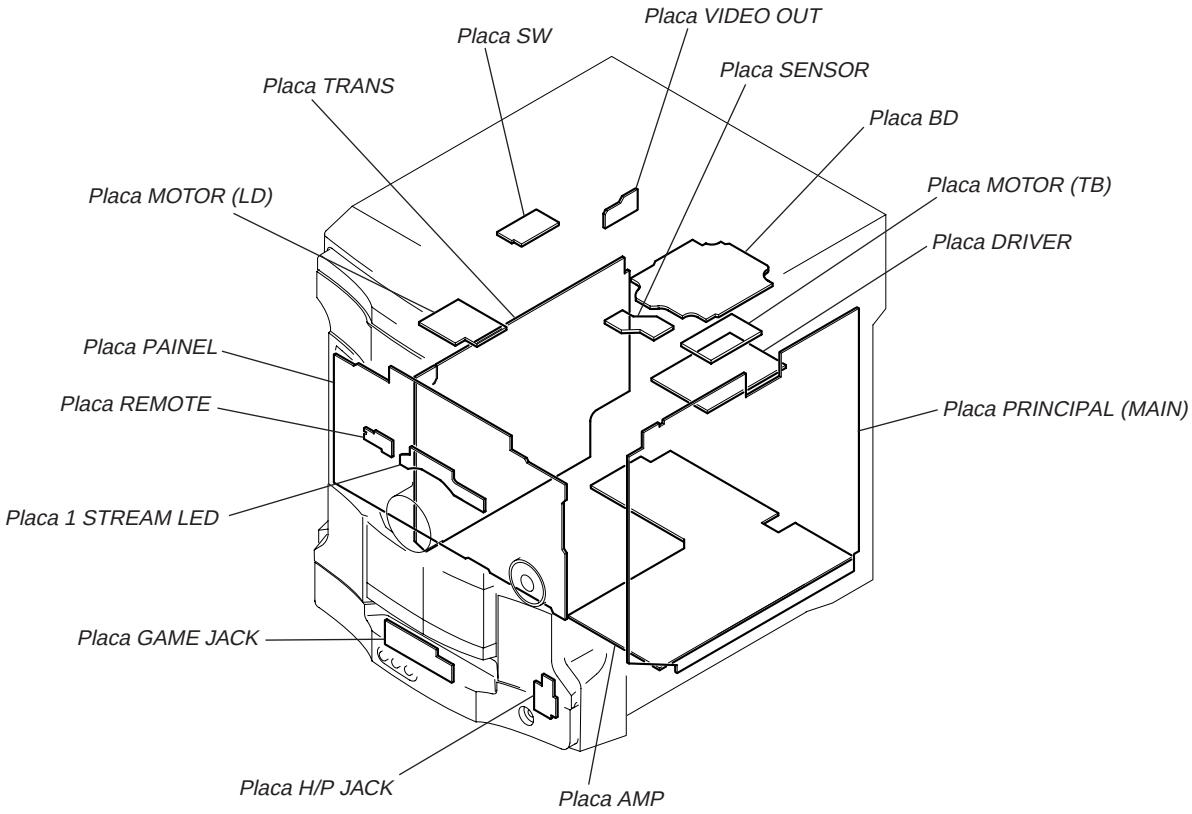
SEÇÃO 3
DIAGRAMAS

• IC601 LC876780B-51YO-E (SYSTEM CONTROL, FLD CONTROL) (PANEL BOARD)

Pin No.	Pin Name	I/O	Pin Description
1	SYS MUTE	O	System mute signal output
2	BU1924 DATA	I	GX35, RG330 (except AEP, UK): Not used. (Connected to ground.) RG310/RG330 (AEP, UK): Serial data signal input
3	PWR DOWN	I	Power down signal input
4	LC78646 RESET	O	CD reset signal output
5	LC78646 CE	O	CD CE signal output
6	LC78684 CE (MP3)	O	CD CE (MP3) signal output
7	M61519 CLK	O	Clock signal output
8	BU2099FV LCK	O	LCK signal output
9	LC72121 CE	O	CE signal output
10	LC78684 SYNC	I	SYNC signal input
11	RESET	I	Reset signal input from the reset IC
12	XT1	I	Oscillater connect pin (32.768 kHz)
13	XT2	O	Oscillater connect pin (32.768 kHz)
14	VSS1	—	Ground pin
15	CF1	I	Ceramic vibrator connect pin (8.64 MHz)
16	CF2	O	Ceramic vibrator connect pin (8.64 MHz)
17	VDD1	—	Power supply pin (+3.3 V)
18	TAPE A STAT	I	Tape A start signal input
19	TAPE B STAT	I	Tape B start signal input
20	CD ENCODER	I	CD encoder switch signal input
21	SW ON/OFF SENSOR	I	Switch control on/off signal input
22	STREAM IN	I	Stream in signal input
23	VACS	I	VACS signal input
24	KEY2	I	Key signal input 2
25	KEY1	I	Key signal input 1
26	KEY0	I	Key signal input 0
27	PROTECTOR (HOLD)	I	Protector (Hold) signal input
28	REMOCON IN	I	Remote control signal input from the remote control receiver IC
29	BU1924 CLK	I	GX35, RG330 (except AEP, UK): Not used. (Connected to ground.) RG310/RG330 (AEP, UK): Serial clock signal input
30 to 41	G12 – G1	O	FLD control signal output
42 to 45	P1 – P4	O	FLD control signal output
46	VDD3	—	Power supply pin (+3.3 V)
47 to 50	P5 – P8	O	FLD control signal output
51	VPP	—	GX35, RG330 (except AEP, UK): Ground pin RG310/RG330 (AEP, UK): Power supply pin
52 to 55	P9 – P12	O	FLD control signal output
56	SW1 (a) P13	O	FLD control signal output
57	SW2 (b) P14	O	FLD control signal output
58	SW3 (c) P15	O	FLD control signal output
59	SW4 (d) P16	O	FLD control signal output
60	SW5 P17	O	FLD control signal output
61	SW6 P18	O	FLD control signal output
62	SW7 P19	O	FLD control signal output
63	SW8 P20	O	FLD control signal output
64, 65	P21, P22	O	FLD control signal output
66	ENTER LED	O	Not used in this set. (Open)
67	MD/VIDEO LED	O	Not used in this set. (Open)
68	GAME LED	O	GAME LED (LED612) drive signal output
69	TAPE LED	O	TAPE A/B LED (LED609) drive signal output

Pin No.	Pin Name	I/O	Pin Description
70	TUNER LED	O	TUNER/BAND LED (LED608) drive signal output
71	CD LED	O	CD LED (LED607) drive signal output
72	VDD4	—	Power supply pin (+3.3 V)
73	CD VDD	O	CD power control signal output
74	TUNER TUNED	I	Tuner tuning signal input from the tuner unit
75	TUNER STEREO	I	Tuner stereo signal input from the tuner unit
76	CD DRF	I	CD DRF signal input
77	CD WRQ	I	CD WRQ signal input
78	CD NUMBER SENSOR	I	CD number sensor signal input
79	TAPE AMS IN	I	Tape AMS signal input
80	VR ENCODER A	I	VR encoder (VR601) signal input
81	VR ENCODER B	I	VR encoder (VR601) signal input
82	TAPE REEL A	I	Tape reel A signal input
83	TAPE REEL B	I	Tape reel B signal input
84	MODE SW IN	I	Mode switch signal input
85	STREAM 1 LED	O	Stream LED drive signal output
86	STREAM 2 LED/CD MUTE	O	Stream LED drive signal output/CD mute signal output
87	STREAM 3 LED	O	Stream LED drive signal output
88	STREAM 4 LED/ MECHA VCC	O	Stream LED drive signal output/Mechanism power control signal output
89	VSS2	—	Ground pin
90	VDD2	—	Power supply pin (+3.3 V)
91	STREAM 5 LED/ TAPE SOL A	O	Stream LED drive signal output/Tape SOL-A drive signal output
92	STREAM 6 LED/ TAPE SOL B	O	Stream LED drive signal output/Tape SOL-B drive signal output
93	POWER LED	O	POWER LED (LED614) drive signal output
94	POWER RELAY	O	Power relay signal output
95	LC72121/M61529/ BU2099FV DO	O	Serial data signal output
96	LC72121 DI	I	Serial data signal input
97	LC72121/BU2099FV CLK	O	Serial clock signal output
98	LC78646/LC78684 DO	O	Serial data signal output
99	LC78646/LC78684 DI	I	Serial data signal input
100	LC78646/LC78684 CLK	O	Serial clock signal output

3-2. LOCALIZAÇÃO DAS PLACAS DE CIRCUITO



ESTA NOTA É COMUM PARA PLACA DE CIRCUITO IMPRESSO E DIAGRAMAS ESQUEMÁTICOS
(Notas adicionais estão impressas nas folhas correspondentes aos diagramas e placas.)

Nota nos diagramas esquemáticos

- Todos os capacitores estão em µF a menos que especificados. pF: µµF 50 WV ou menores não são indicados, exceto para os eletrolíticos e os de tântalo.
- Todos os resistores estão em Ω e 1/4W a menos que especificados diferentemente.
- △ : componente interno
- ▭ : designação do painel

Nota:
Os componentes identificados com a marca ⚠ são críticos para a segurança. Somente os substitua por peças numericamente identificadas nesse manual.

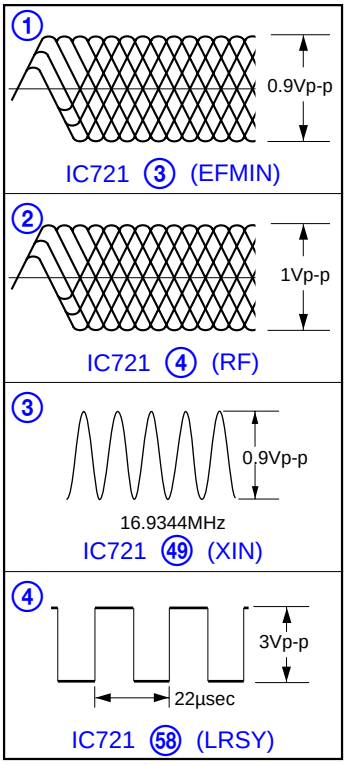
- ▬▬ : B+ Line.
- ▬ ▬ ▬ : B– Line.
- ▭ : ajuste para reparo.
- Voltagens e formas de onda estão em DC, com relação ao terra, em condição de ausência de sinal.
- Voltagens são obtidas com um VOM (impedância de entrada 10 MΩ). Variações de voltagem são verificadas dentro de uma faixa de tolerância.
- Formas de onda são obtidas com um osciloscópio. Variações de voltagem são verificadas dentro de uma faixa de tolerância.
- Números circulados referem-se a formas de onda.
- Simbologia
  - ⇨ : FM
  - ➡ : AM
  - ⇨ : PB (DECK A)
  - ⇨ : PB (DECK B)
  - ⇨ : REC (DECK B)
  - ⇨ : CD
  - ⇨ : digital out

Nota nas Placas de Circuito Impresso

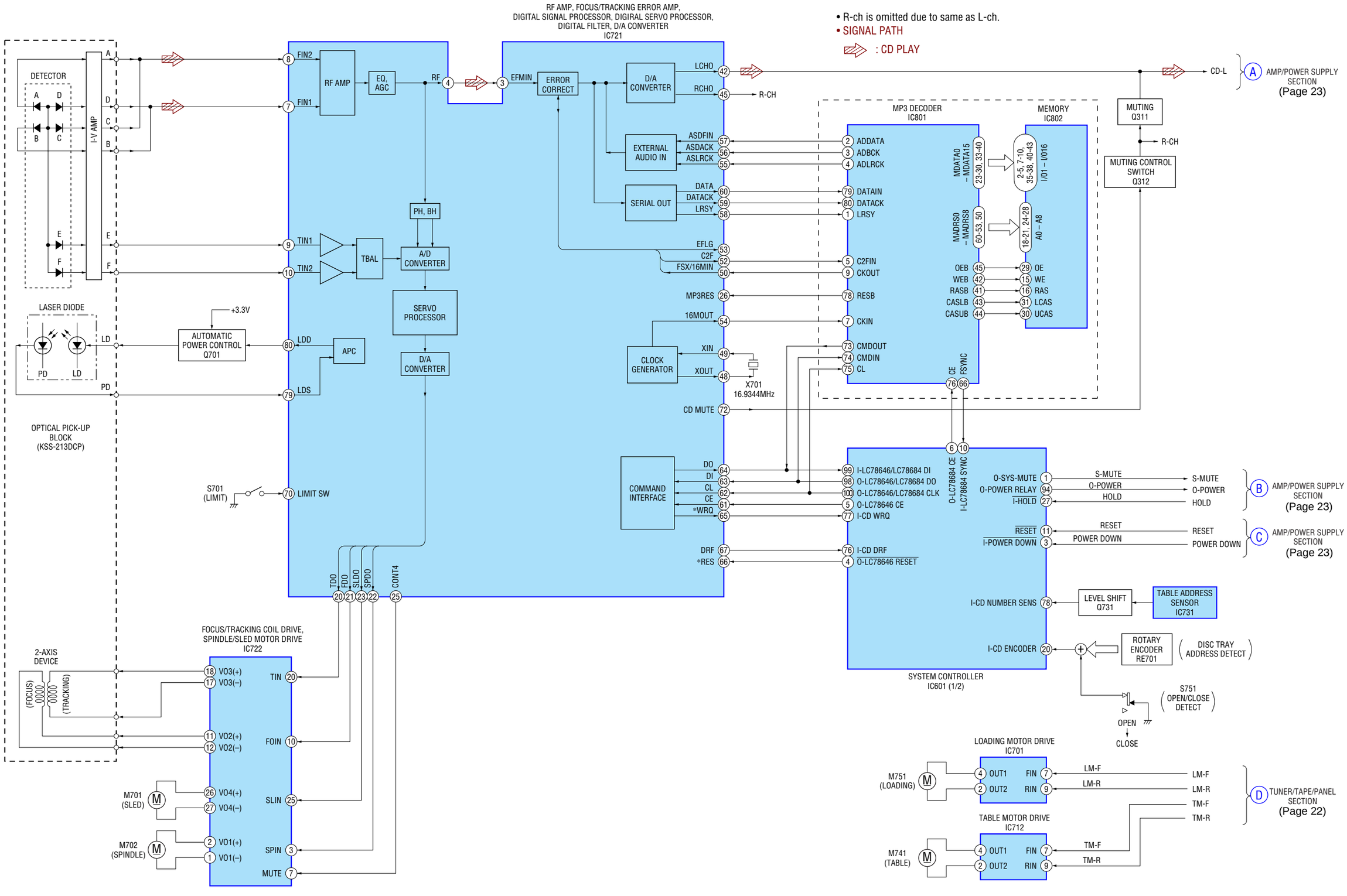
- o——— : partes extraidas do lado componente
- ▬ : partes do lado que nao pode ser visto
- Indicação de transistor

• FORMAS DE ONDA
— PLACA BD —

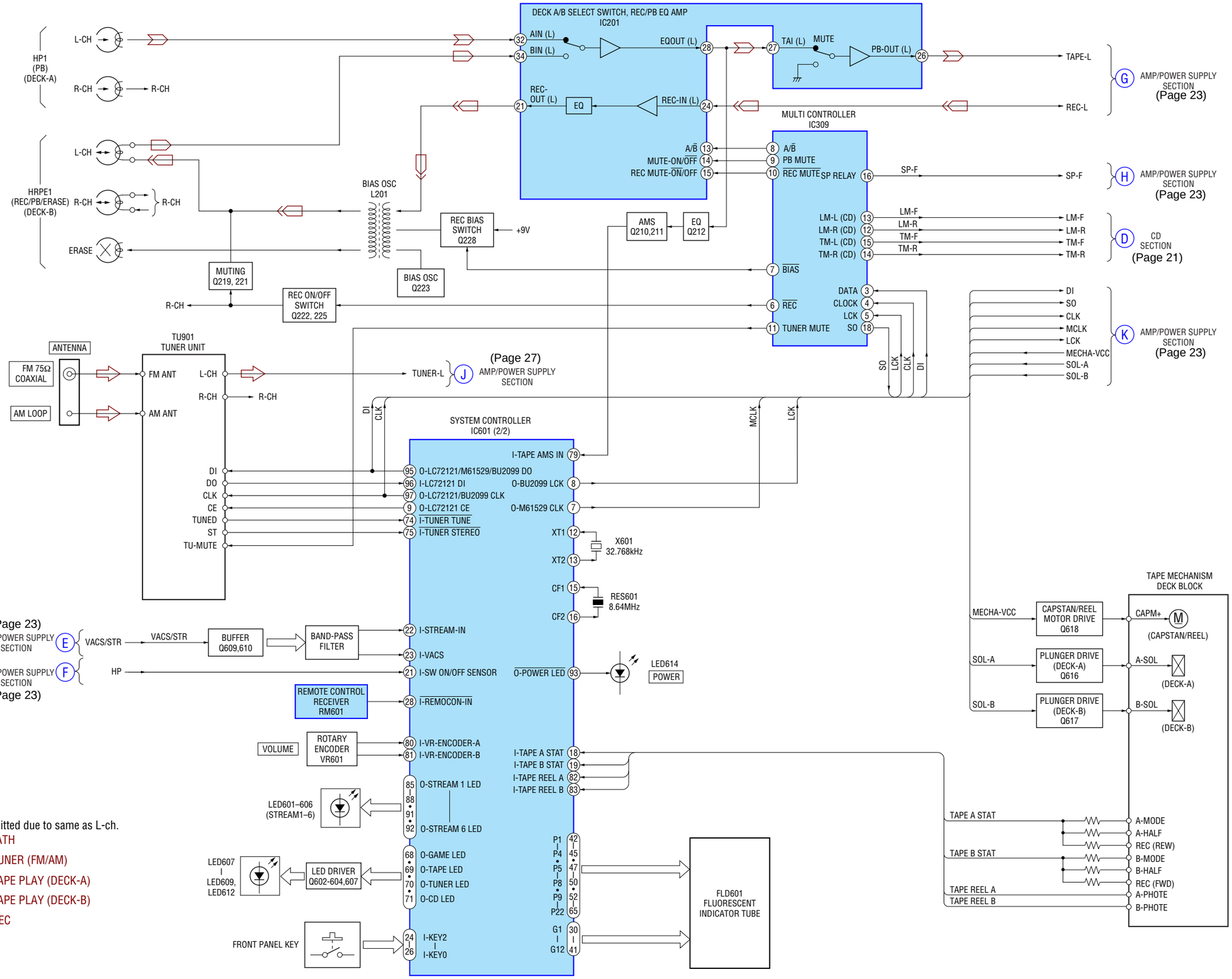
(MODO: CD PLAY)



3-3. DIAGRAMA EM BLOCO — SEÇÃO CD —

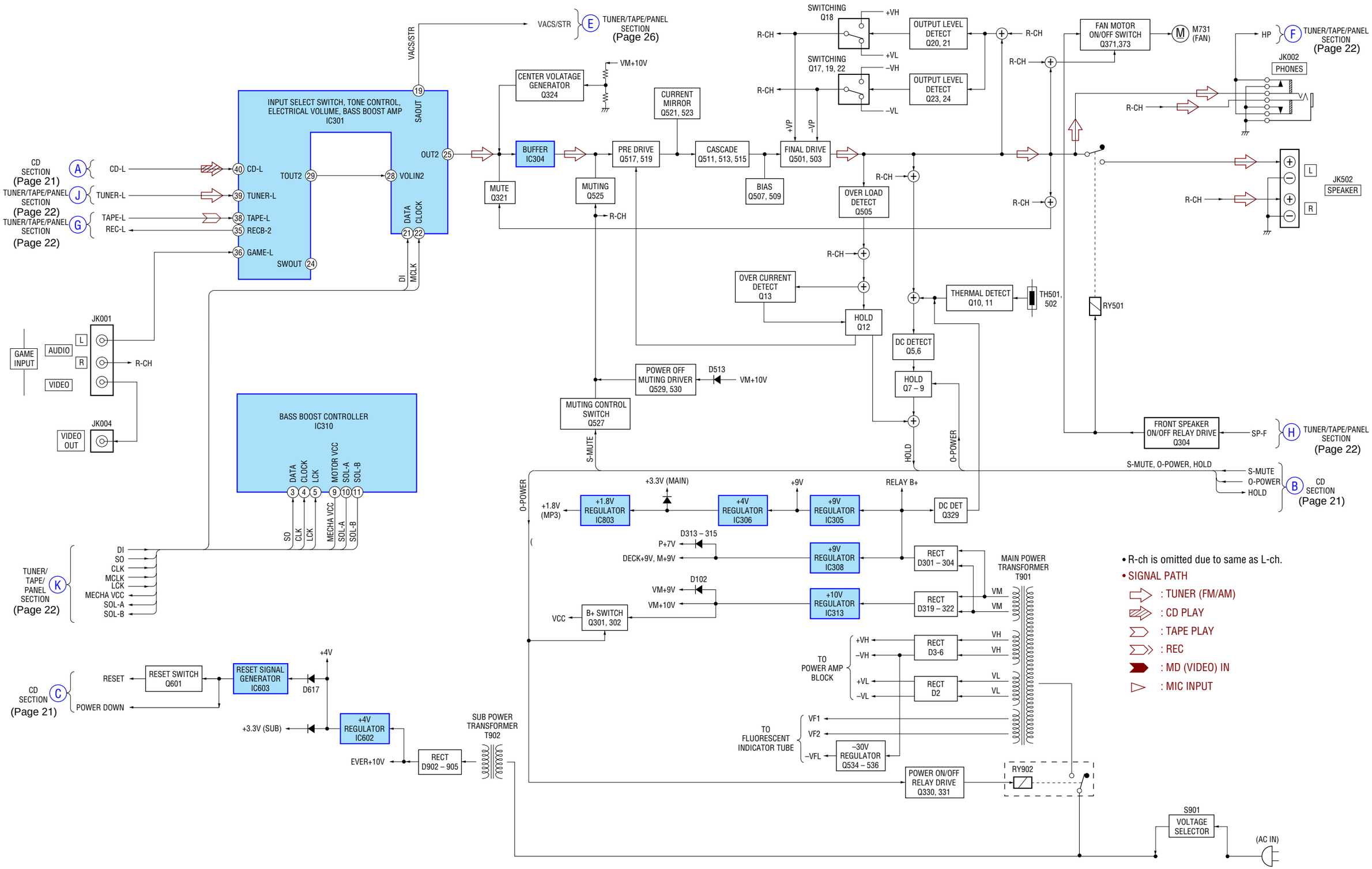


3-4. DIAGRAMA EM BLOCO — SEÇÃO TUNER/TAPE/PAINEL —



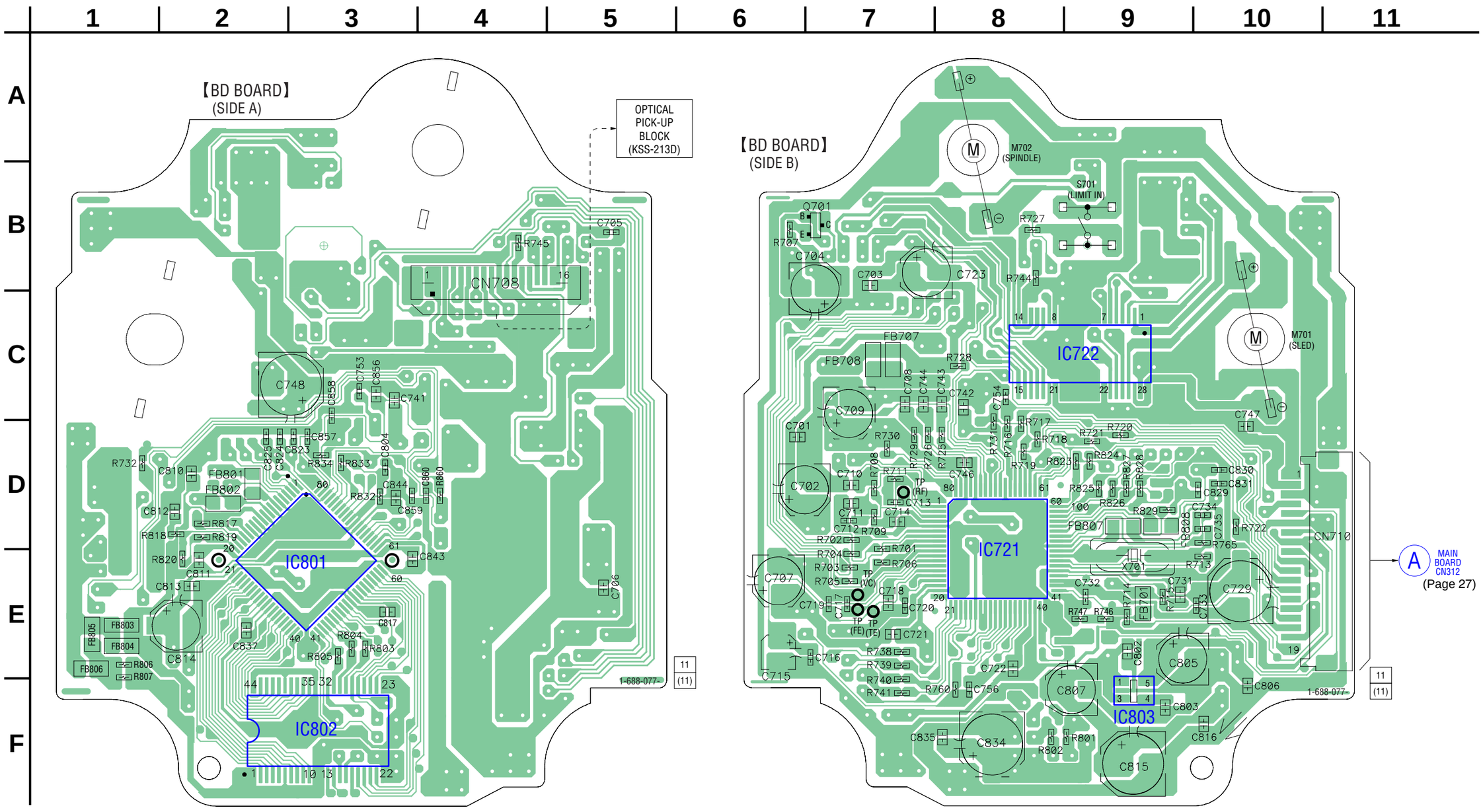
- R-ch is omitted due to same as L-ch.
- SIGNAL PATH
  - : TUNER (FM/AM)
  - : TAPE PLAY (DECK-A)
  - : TAPE PLAY (DECK-B)
  - : REC

3-5. DIAGRAMA EM BLOCO — SEÇÃO AMP/POWER SUPPLY —



3-6. PLACA DE CIRCUITO IMPRESSO — SEÇÃO MECANISMO DO CD (1/2) —

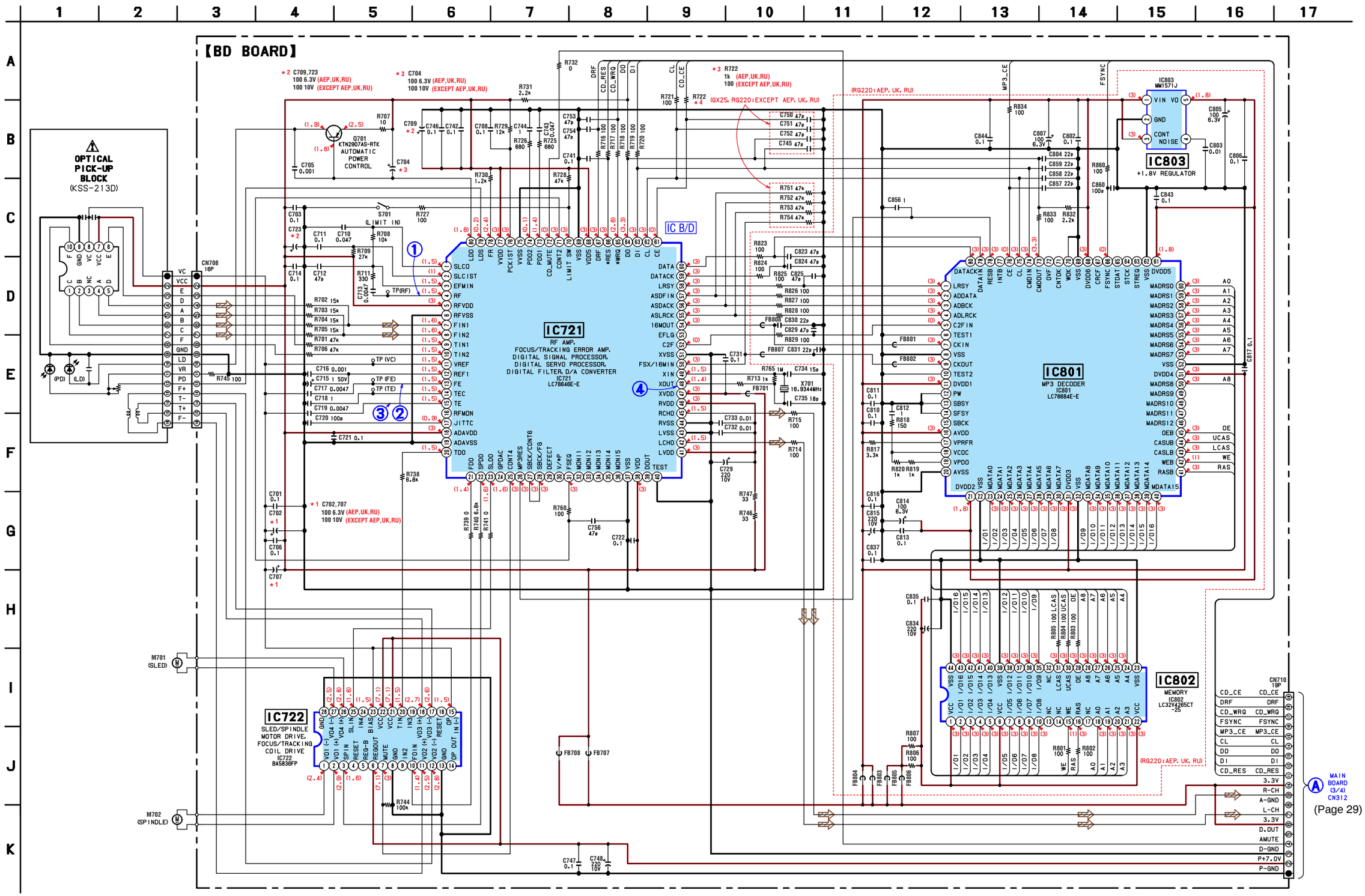
: Uses unleaded solder.



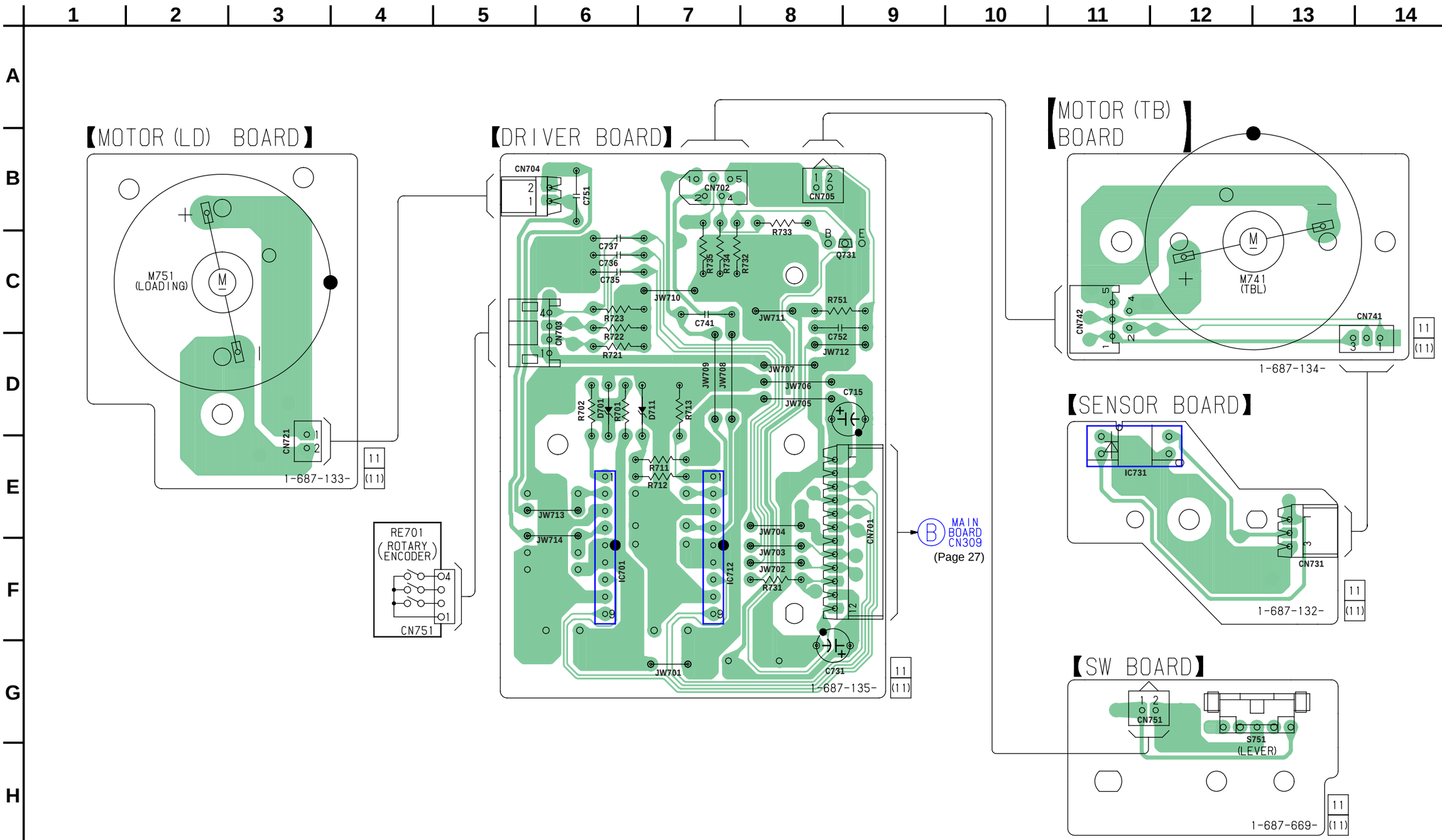
- **Semiconductor Location**

Ref. No.	Location
IC721	E-8
IC722	C-9
IC801	E-3
IC802	F-3
IC803	F-9
Q701	B-7

3-7. DIAGRAMA ESQUEMÁTICO — SEÇÃO MECANISMO DO CD (1/2) —



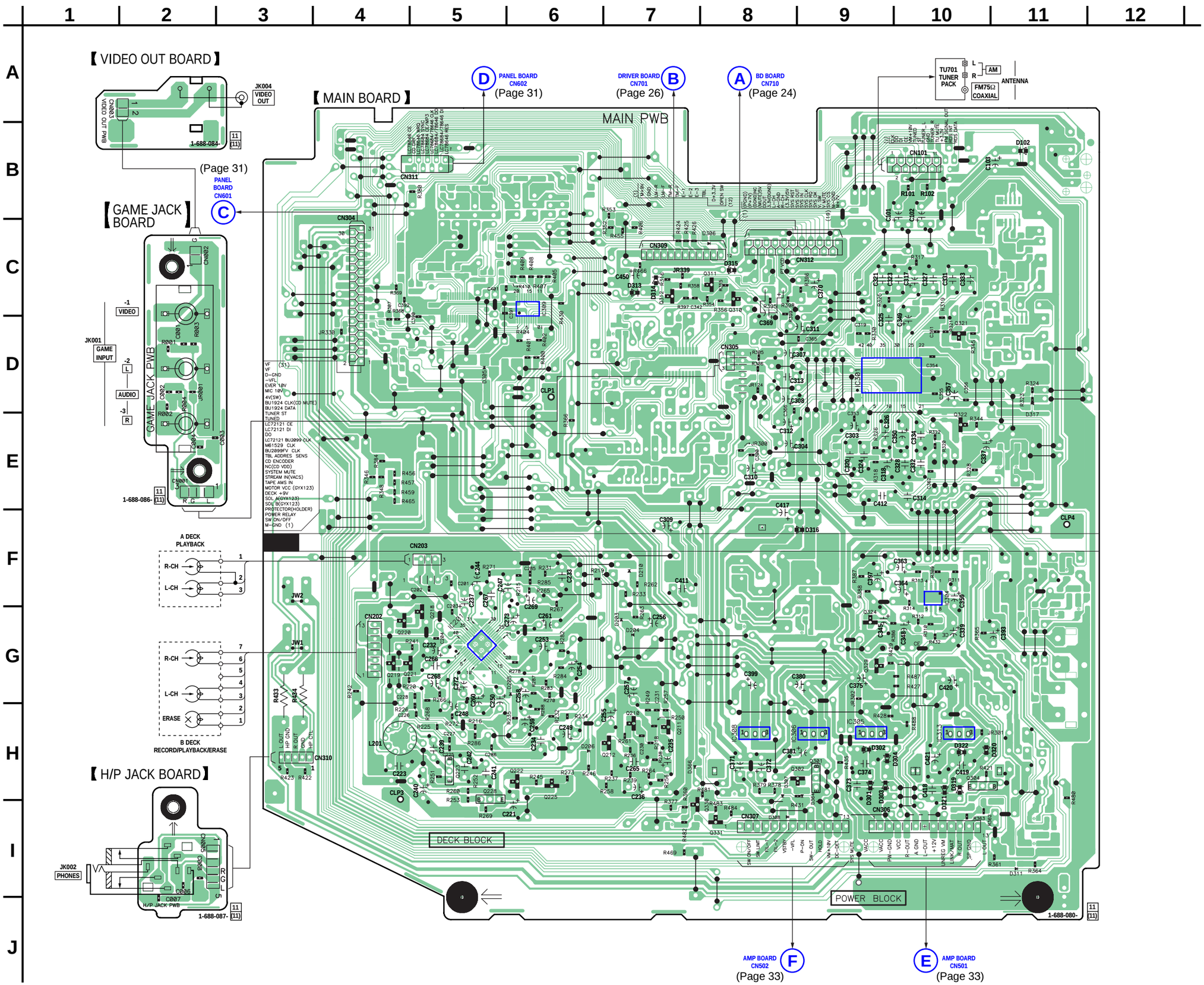
3-8. PLACA DE CIRCUITO IMPRESSO — MECANISMO DO CD - SEÇÃO (2/2) —



- **Semiconductor Location**

Ref. No.	Location
D701	D-6
D711	D-7
IC701	F-6
IC712	F-7
IC731	E-11
Q731	C-9

3-9. PLACA DE CIRCUITO IMPRESSO — SEÇÃO PRINCIPAL —



- **Semiconductor Location**

Ref. No.	Location
D102	B-11
D203	G-7
D204	G-7
D205	G-6
D206	H-6
D210	F-7
D301	H-9
D302	H-9
D303	H-9
D304	H-9
D305	D-5
D306	C-8
D307	H-8
D308	I-8
D311	I-11
D313	C-7
D314	C-7
D315	C-8
D316	F-9
D317	D-11
D319	H-10
D320	H-10
D321	H-10
D322	H-10
D364	H-9
D366	H-7
IC201	G-5
IC301	D-9
IC304	F-10
IC305	H-9
IC306	H-9
IC308	H-8
IC309	C-6
IC313	H-10
Q210	H-7
Q211	H-7
Q212	H-7
Q218	G-5
Q219	G-4
Q220	G-4
Q221	G-5
Q222	H-6
Q223	H-5
Q225	H-6
Q228	H-5
Q301	H-9
Q302	H-8
Q304	H-10
Q310	C-8
Q311	C-8
Q312	C-7
Q321	D-10
Q322	E-10
Q324	G-9
Q329	G-9
Q330	I-7
Q331	I-8

3-10. DIAGRAMA ESQUEMÁTICO — SEÇÃO PRINCIPAL (1/3) —

【 MAIN BOARD 】(1/3)

TU701
TUNER PACK
FM 75Ω COAXIAL
R L
AM
ANTENNA

CN101 15P
CLK
DO
DI
CE
VM+9V
TUNED
ST
TUNER-L
GND
TUNER-R
TUMUTE

IC201
HA12237F
REC/PB AMP

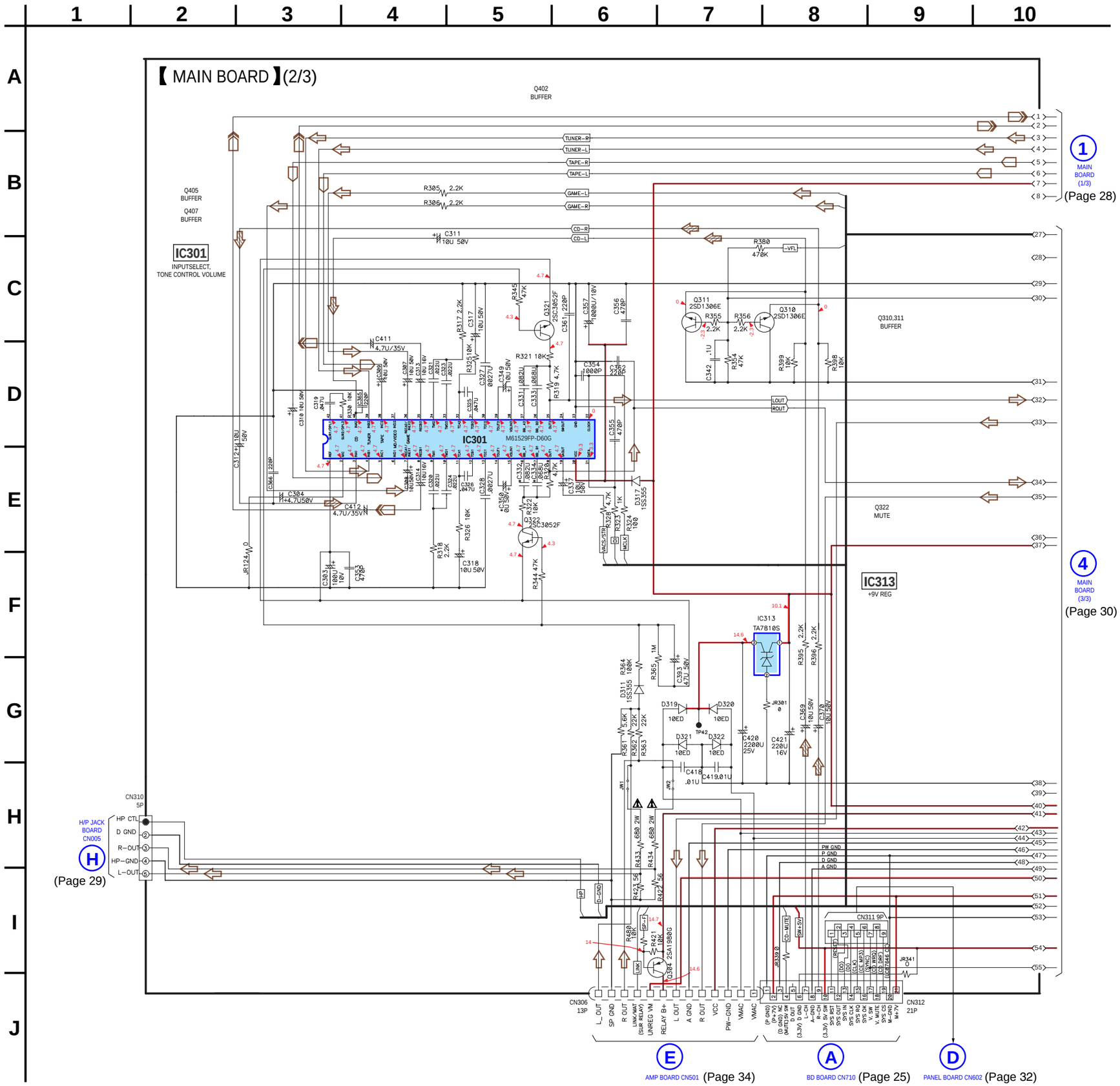
Q210,211 AMS
Q223 BIAS OSC
Q212 EQ
Q218-221 REC/PB CONTROL
Q222,225 REC/PB SWITCH
Q228 BIAS SWITCH
L201 BIAS_COIL

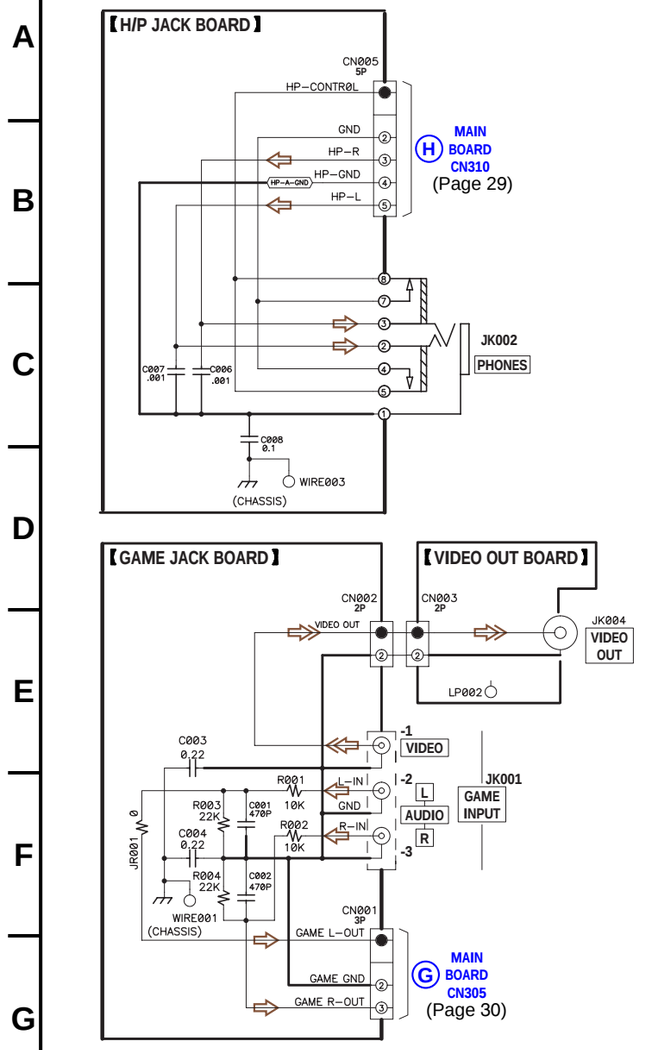
CN201 3p
A DECK PALYBACK
RCH
LCH

CN202 7p
B DECK RECORD/PALYBACK/ERASE
RCH
LCH
ERASE

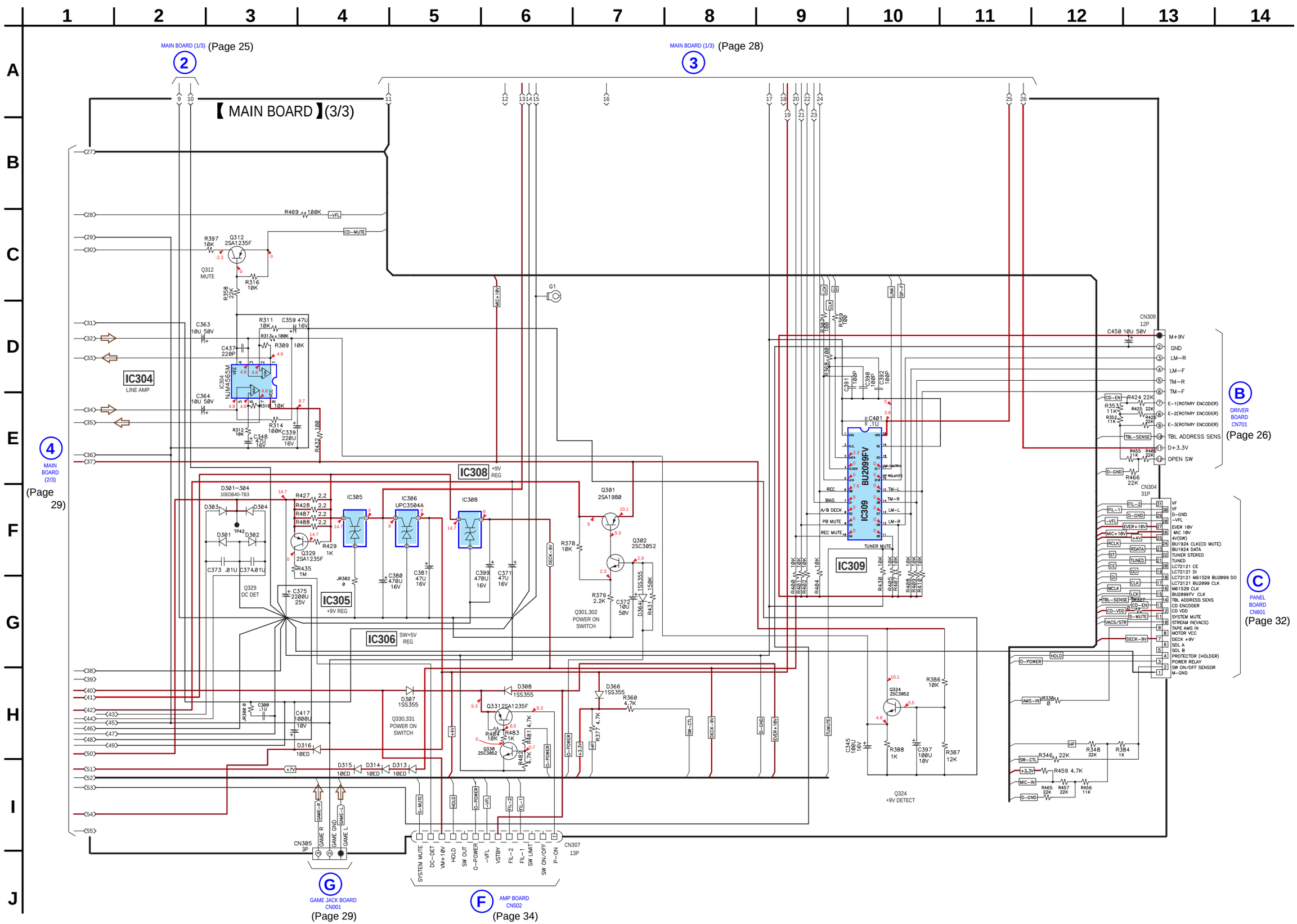
1 MAIN BOARD (2/3) (Page 29)
2 MAIN BOARD (3/3) (Page 30)
3 MAIN BOARD (3/3) (Page 30)

3-11. DIAGRAMA ESQUEMÁTICO-SEÇÃO PRINCIPAL (2/3) —

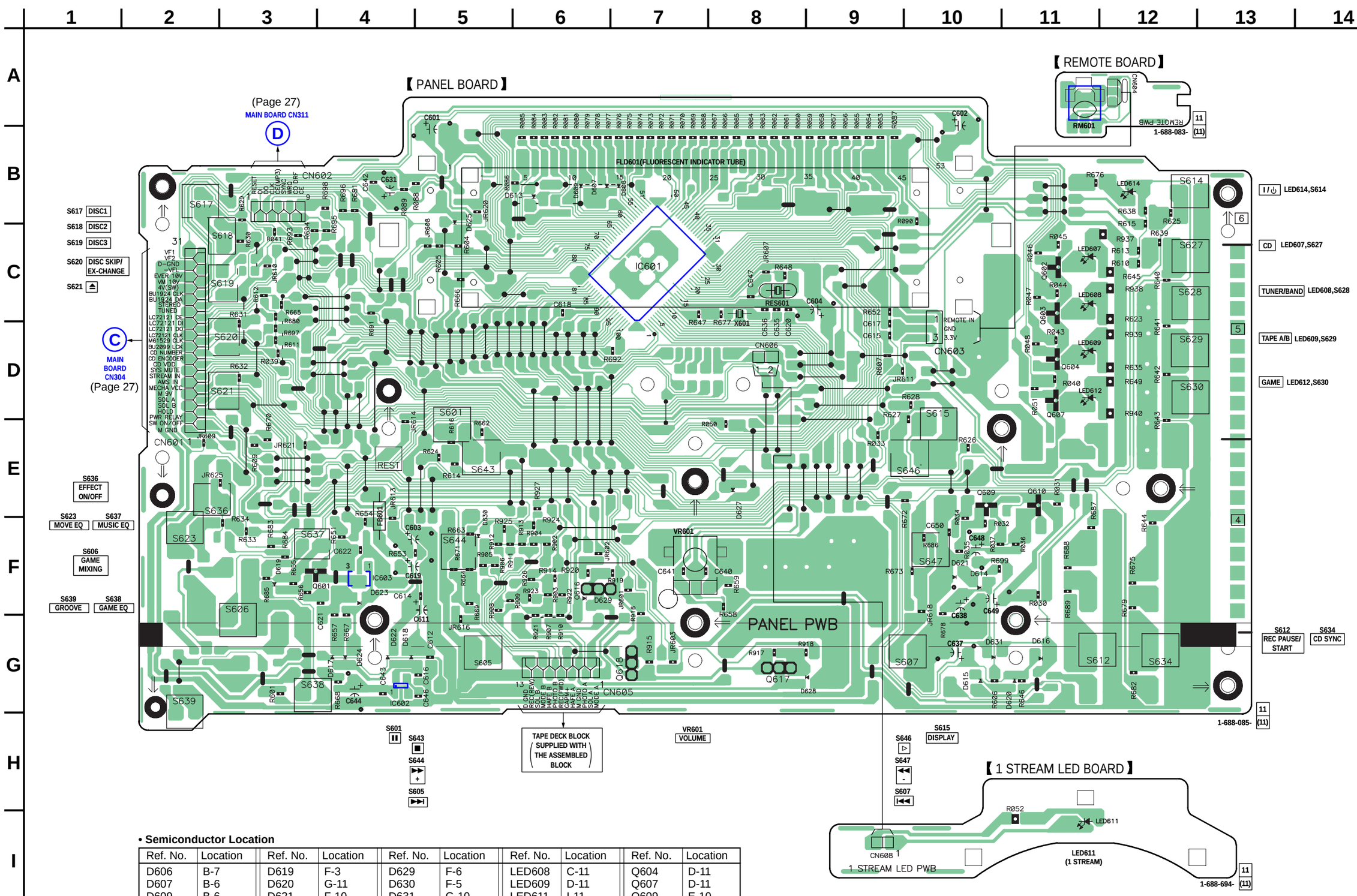




3-12. DIAGRAMA ESQUEMÁTICO - SEÇÃO PRINCIPAL (3/3) —



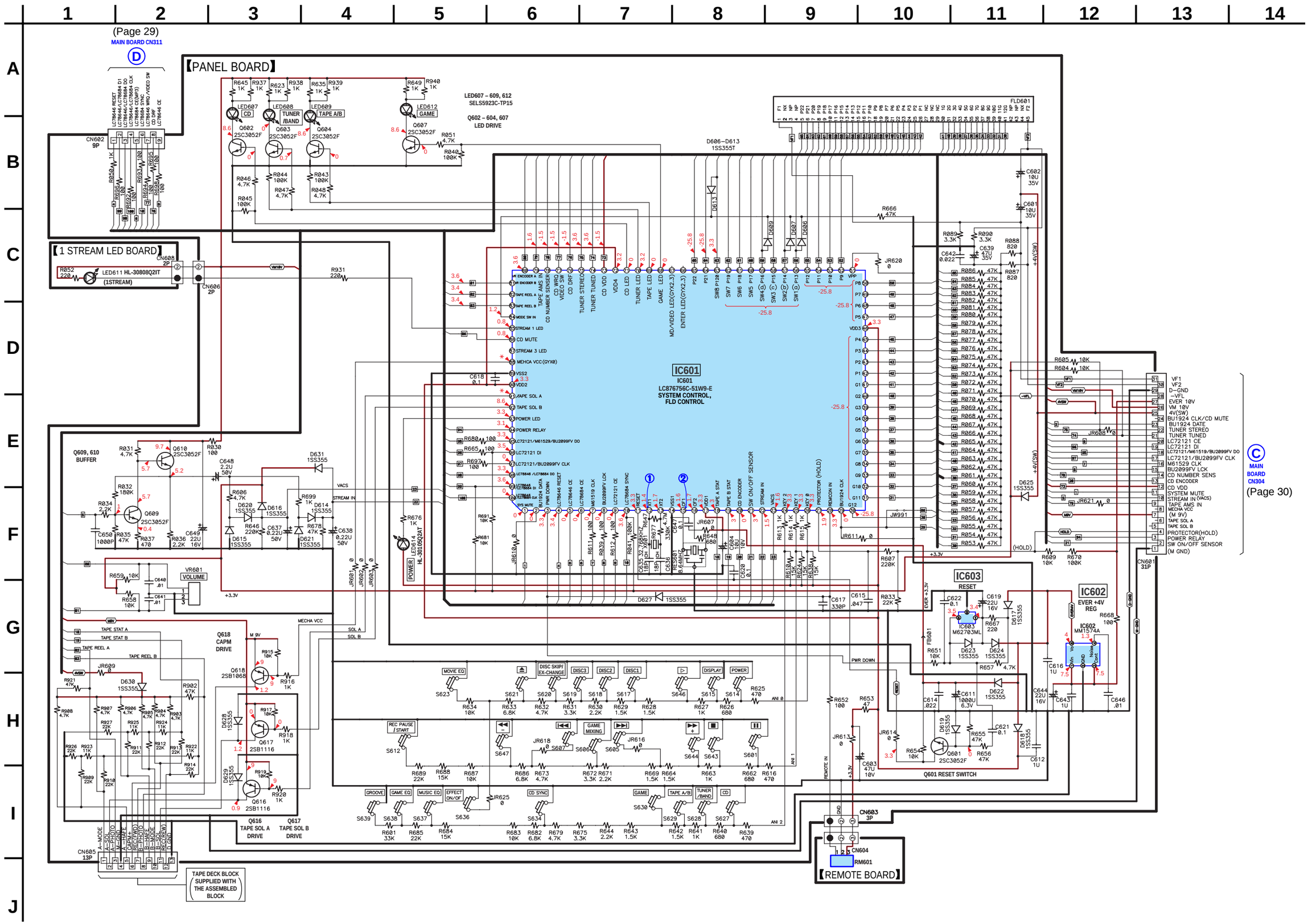
3-13. PLACA DE CIRCUITO IMPRESSO — SEÇÀO PAINEL —



• **Semiconductor Location**

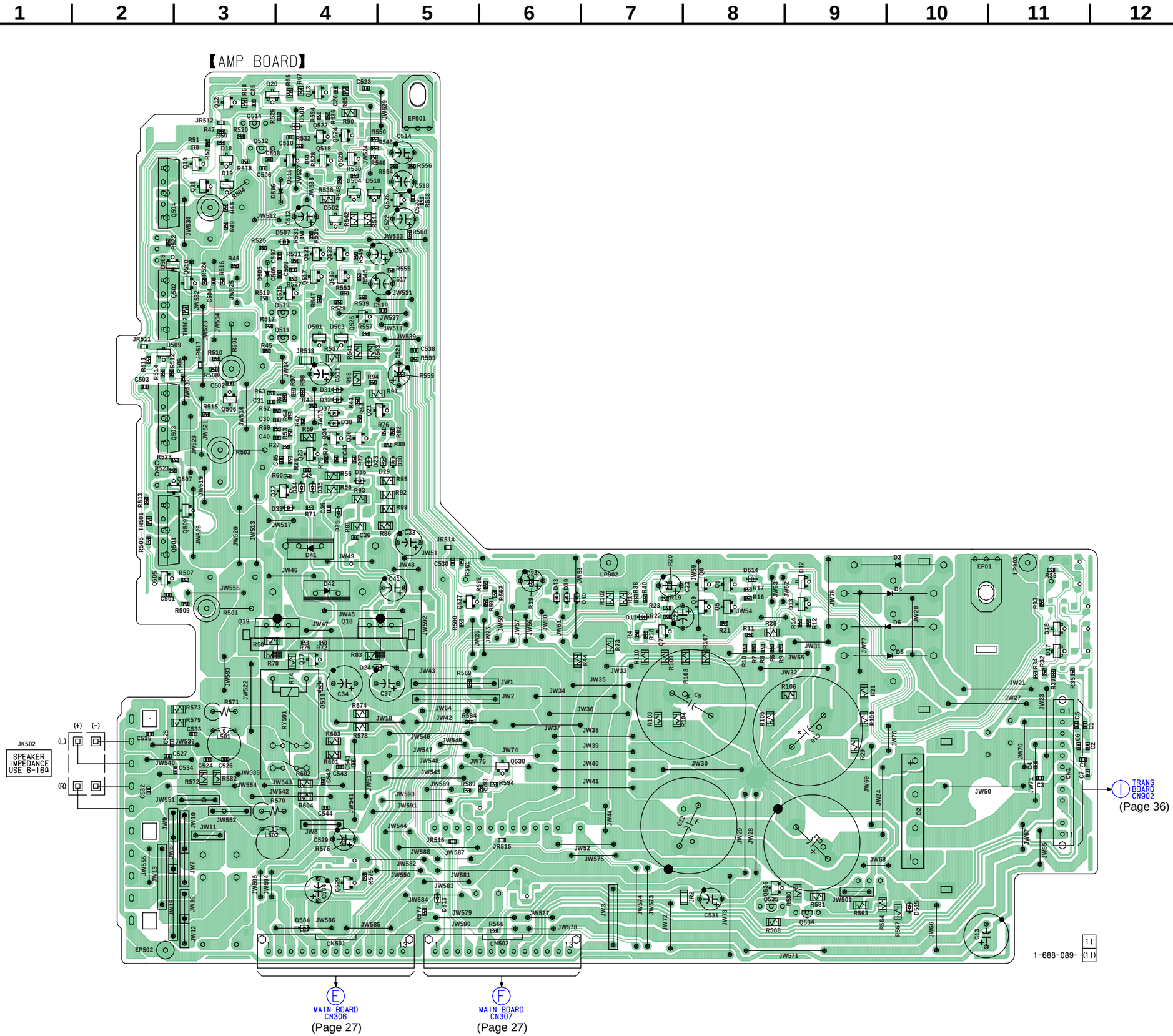
Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D606	B-7	D619	F-3	D629	F-6	LED608	C-11	Q604	D-11
D607	B-6	D620	G-11	D630	F-5	LED609	D-11	Q607	D-11
D609	B-6	D621	F-10	D631	G-10	LED611	I-11	Q609	E-10
D613	B-6	D622	G-4			LED612	D-11	Q610	E-11
D614	F-10	D623	F-4	IC601	C-7	LED614	B-12	Q616	F-6
D615	G-10	D624	G-4	IC602	G-4			Q617	G-8
D616	G-11	D625	B-5	IC603	F-4	Q601	F-4	Q618	G-7
D617	G-4	D627	E-8			Q602	C-11		
D618	G-4	D628	G-8	LED607	C-11	Q603	C-11	RM601	A-11

3-14. DIAGRAMA ESQUEMÁTICO — SEÇÃO PAINEL —



3-15. PLACA DE CIRCUITO IMPRESSO — SEÇÃO POWER AMP — • Refer to page 19 for Circuit Boards Location.

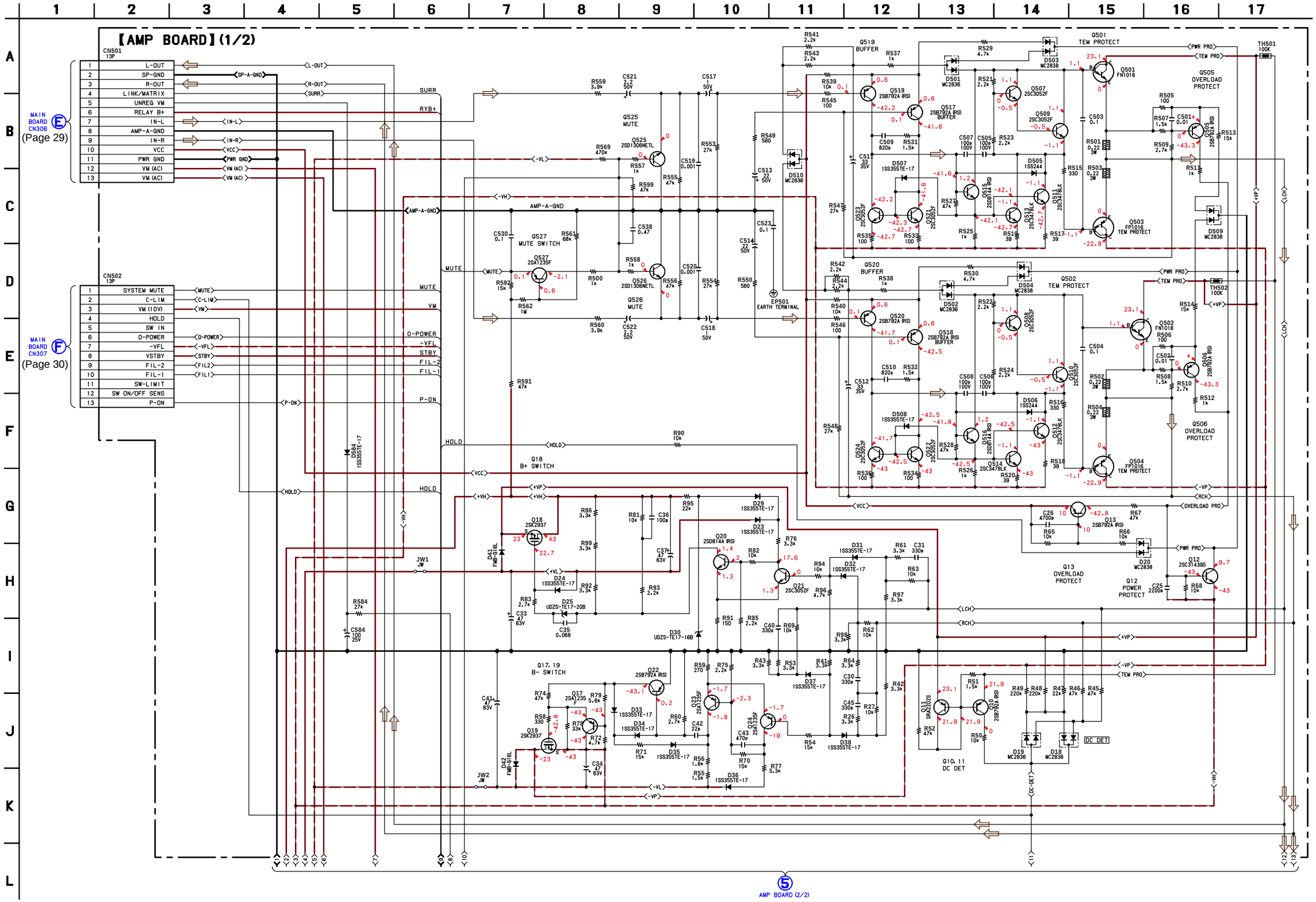
【AMP BOARD】



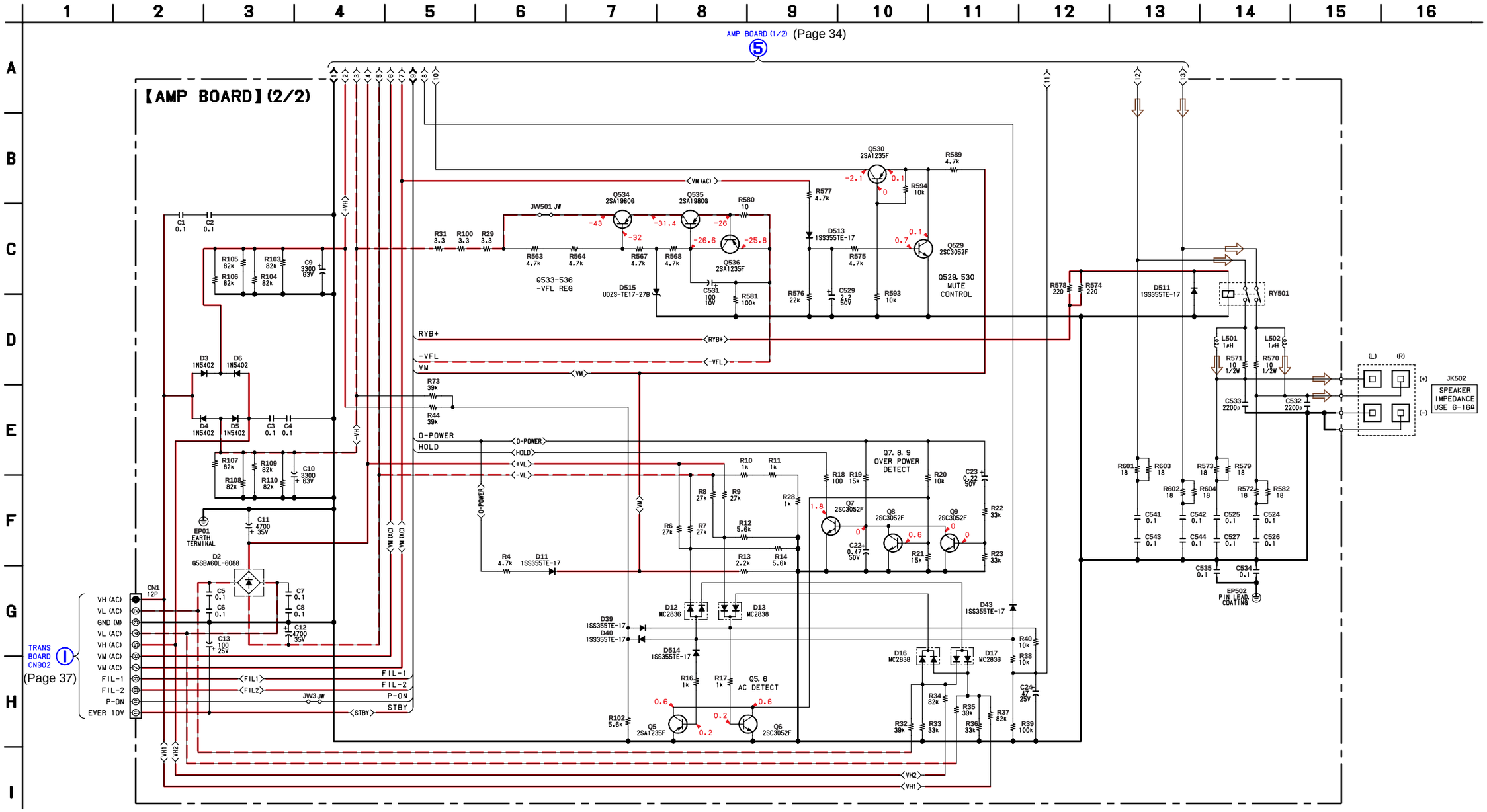
• **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location
D2	H-10	Q6	F-8
D3	F-10	Q7	G-7
D4	F-10	Q8	F-8
D5	G-10	Q9	F-8
D6	F-10	Q10	B-3
D11	F-7	Q11	B-3
D12	F-9	Q12	A-3
D13	F-9	Q13	A-4
D16	F-11	Q17	G-4
D17	G-11	Q18	F-4
D18	B-3	Q19	F-3
D19	B-3	Q20	E-4
D20	A-3	Q21	D-4
D23	E-4	Q22	E-4
D24	G-4	Q23	E-4
D25	E-4	Q24	E-4
D29	E-5	Q501	F-2
D30	E-5	Q502	C-2
D31	D-4	Q503	E-2
D32	D-4	Q504	B-2
D33	E-4	Q505	F-2
D34	E-4	Q506	D-3
D35	E-4	Q507	E-3
D36	E-4	Q508	C-2
D37	D-4	Q509	E-3
D38	D-4	Q510	C-3
D39	F-6	Q511	D-4
D40	F-6	Q512	B-3
D41	F-4	Q513	C-4
D42	F-4	Q514	A-3
D43	F-6	Q515	C-4
D501	D-4	Q516	B-4
D502	B-4	Q517	C-4
D503	D-4	Q518	B-4
D504	B-4	Q519	C-4
D505	C-3	Q520	B-4
D506	B-4	Q521	C-4
D507	C-4	Q522	B-4
D508	A-4	Q523	C-4
D509	D-2	Q524	B-4
D510	B-4	Q525	C-4
D511	G-4	Q526	B-5
D513	I-5	Q527	F-5
D514	F-8	Q529	I-4
D515	I-10	Q530	H-6
D584	I-4	Q534	I-9
		Q535	I-8
Q5	F-8	Q536	I-8

3-16. DIAGRAMA ESQUEMÁTICO — SEÇÃO POWER AMP (1/2) —

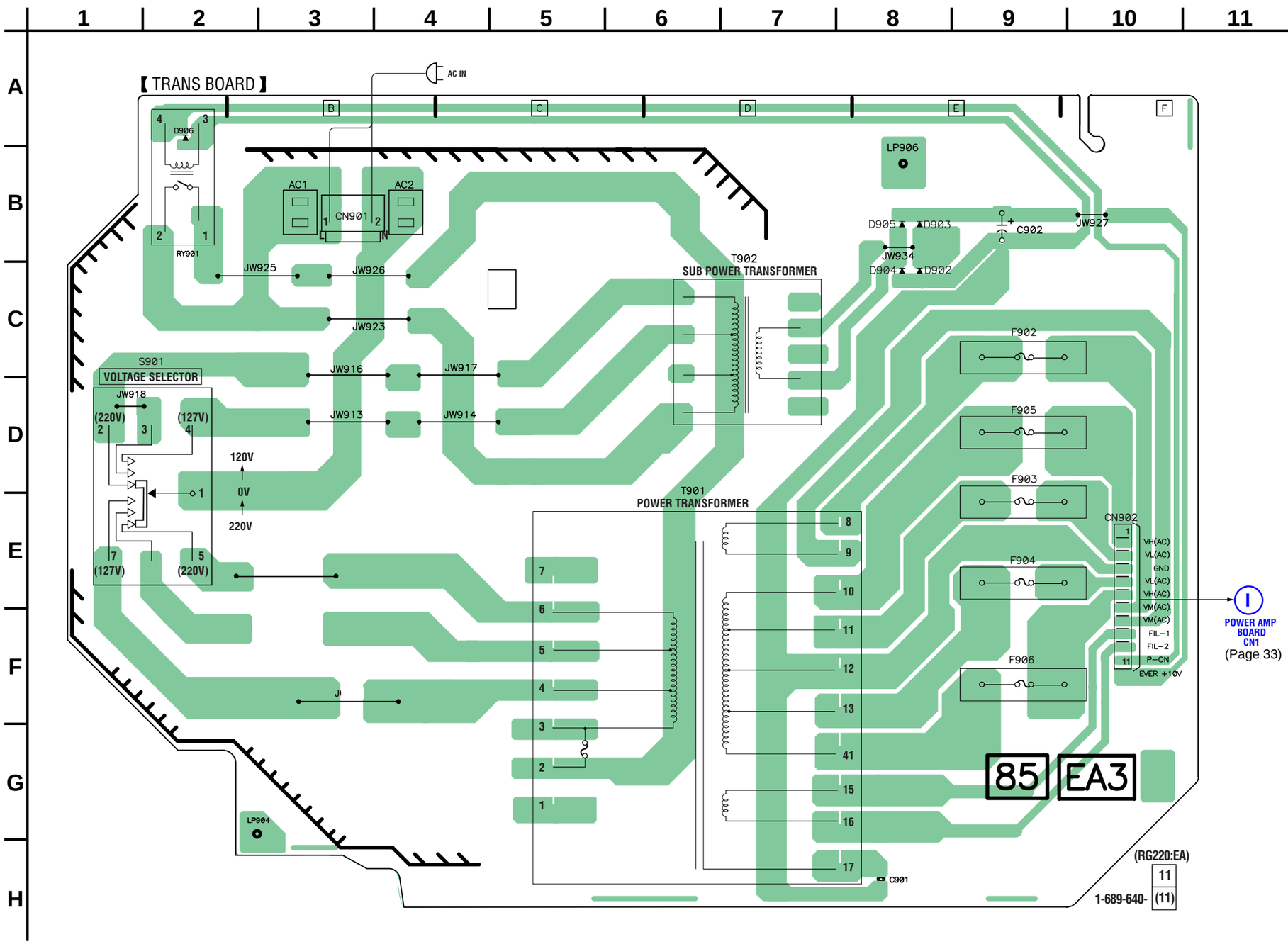


3-17. DIAGRAMA ESQUEMÁTICO — SEÇÃO POWER AMP (2/2) —



3-18. PLACA DE CIRCUITO IMPRESSO — SEÇÃO TRANSFORMADOR

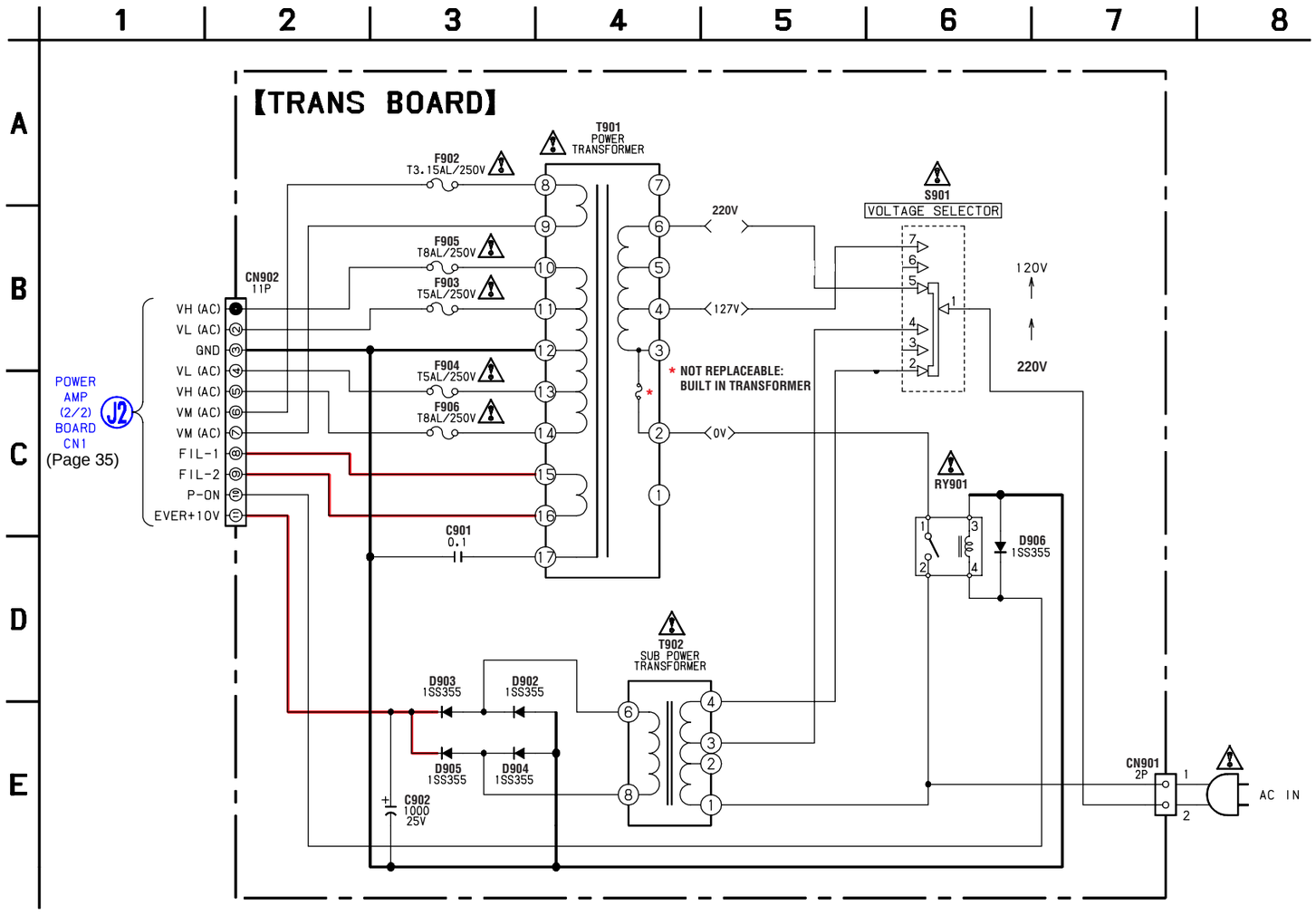
: Uses unleaded solder.



- **Semiconductor Location**

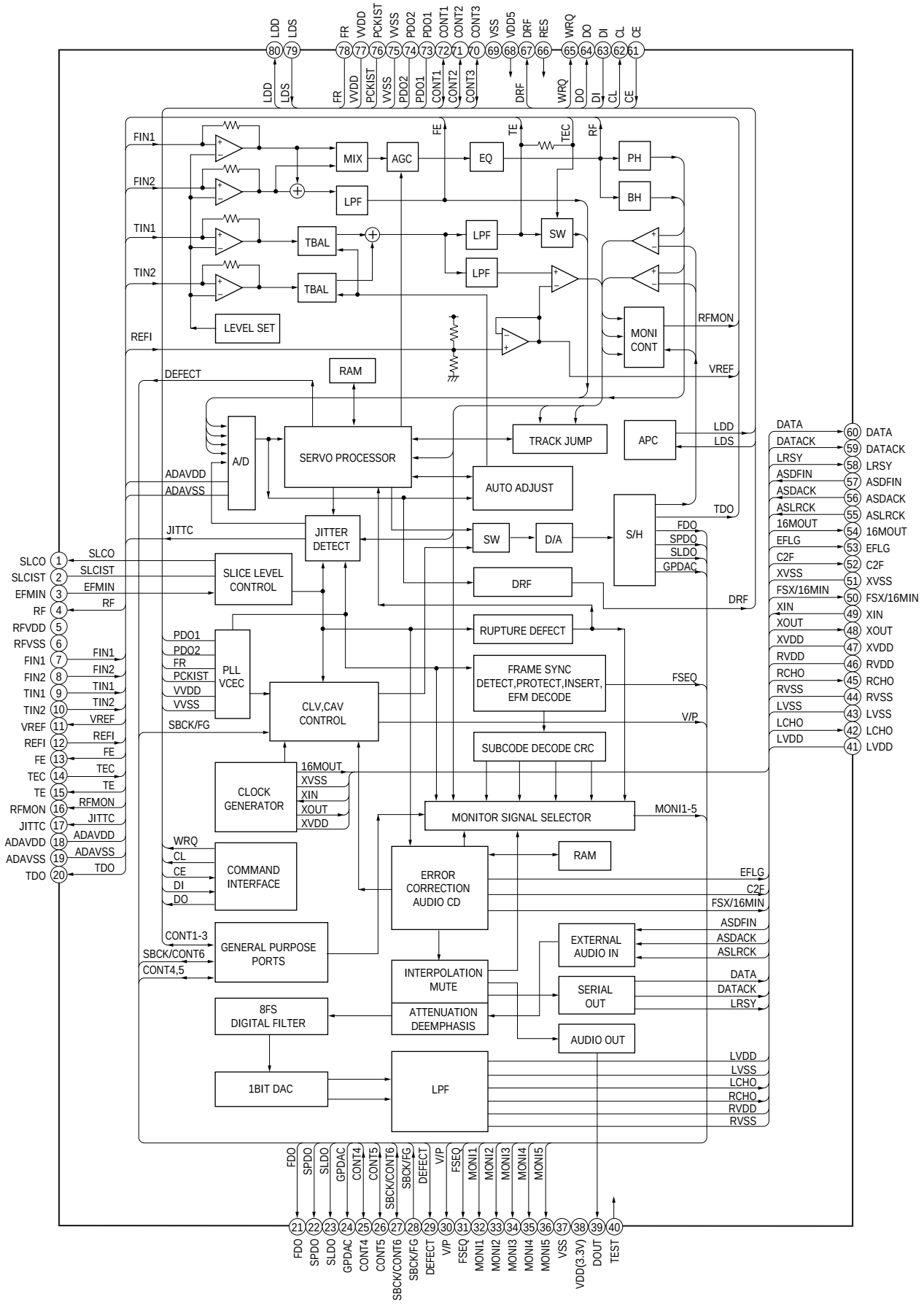
Ref. No.	Location
D902	C-8
D903	B-8
D904	C-8
D905	B-8
D906	A-2

3-19. DIAGRAMA ESQUEMÁTICO — SEÇÃO TRANSFORMADOR —

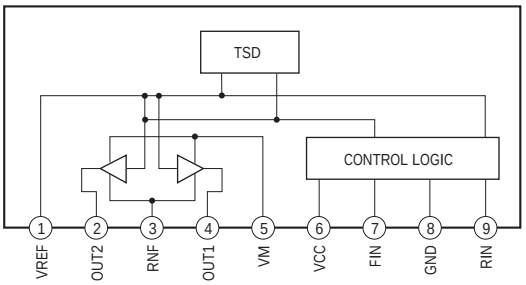


3-20. DIAGRAMA EM BLOCO DOS IC's

IC721 LC78646E-E (PLACA BD)



IC701 BA6956AN (PLACA DRIVER)
IC712 BA6956AN (PLACA DRIVER)

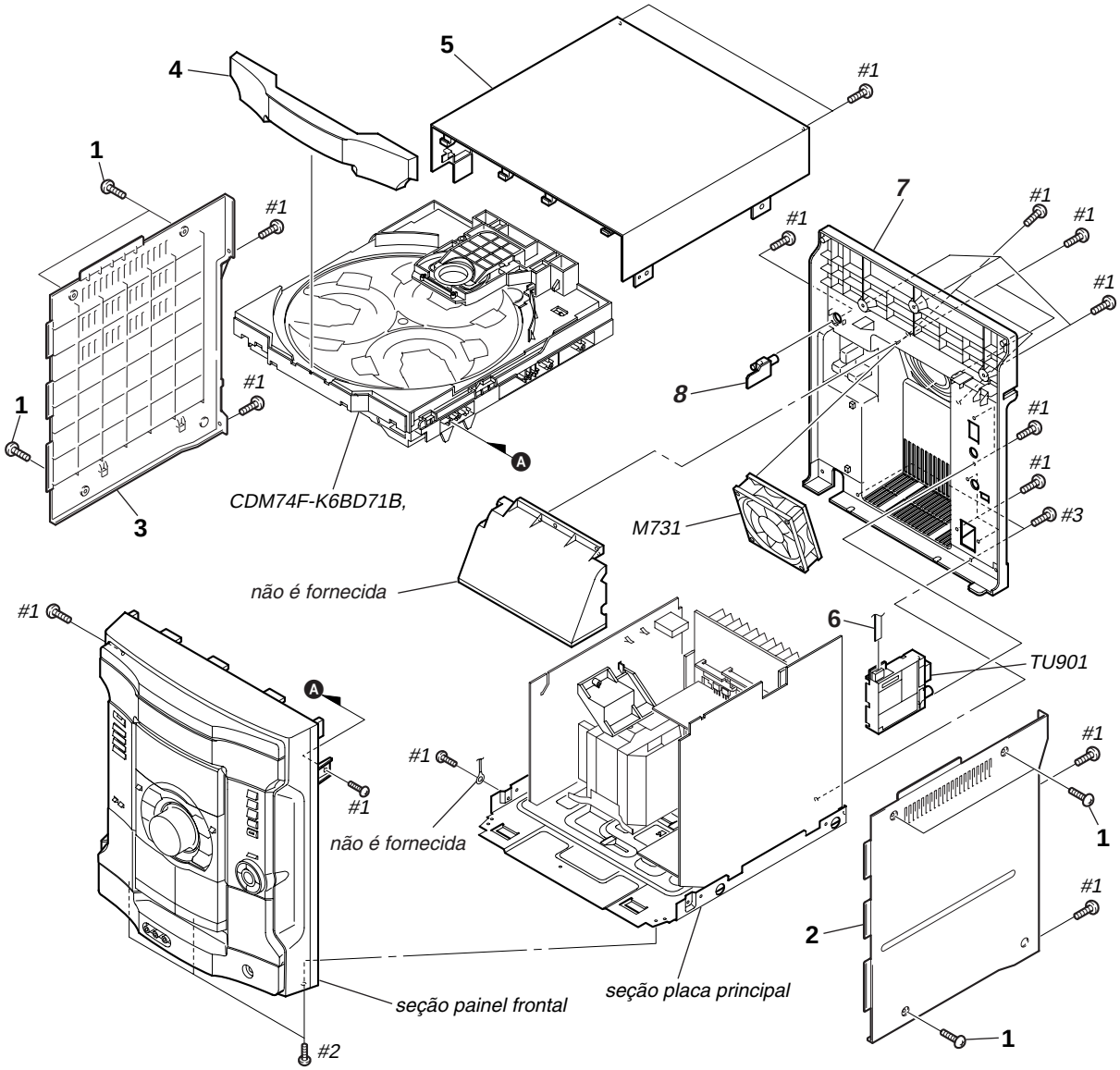


SEÇÃO 4
VISTAS EXPLODIDAS

NOTA:
- As peças mecânicas sem referencia de número na vista explodida nào são fornecidas.
- Itens com a marca "*" não são mantidos em testoque por serem raramente solicitados. Evite atrasos antecipando os pedidos para estes itens.
- Os acessórios podem ser encontrados no final da lista de peças elétricas.

Os componentes identificados com a marca ⚠ são críticos para a segurança. Somente os substitua por peças numericamente identificadas neste manual.

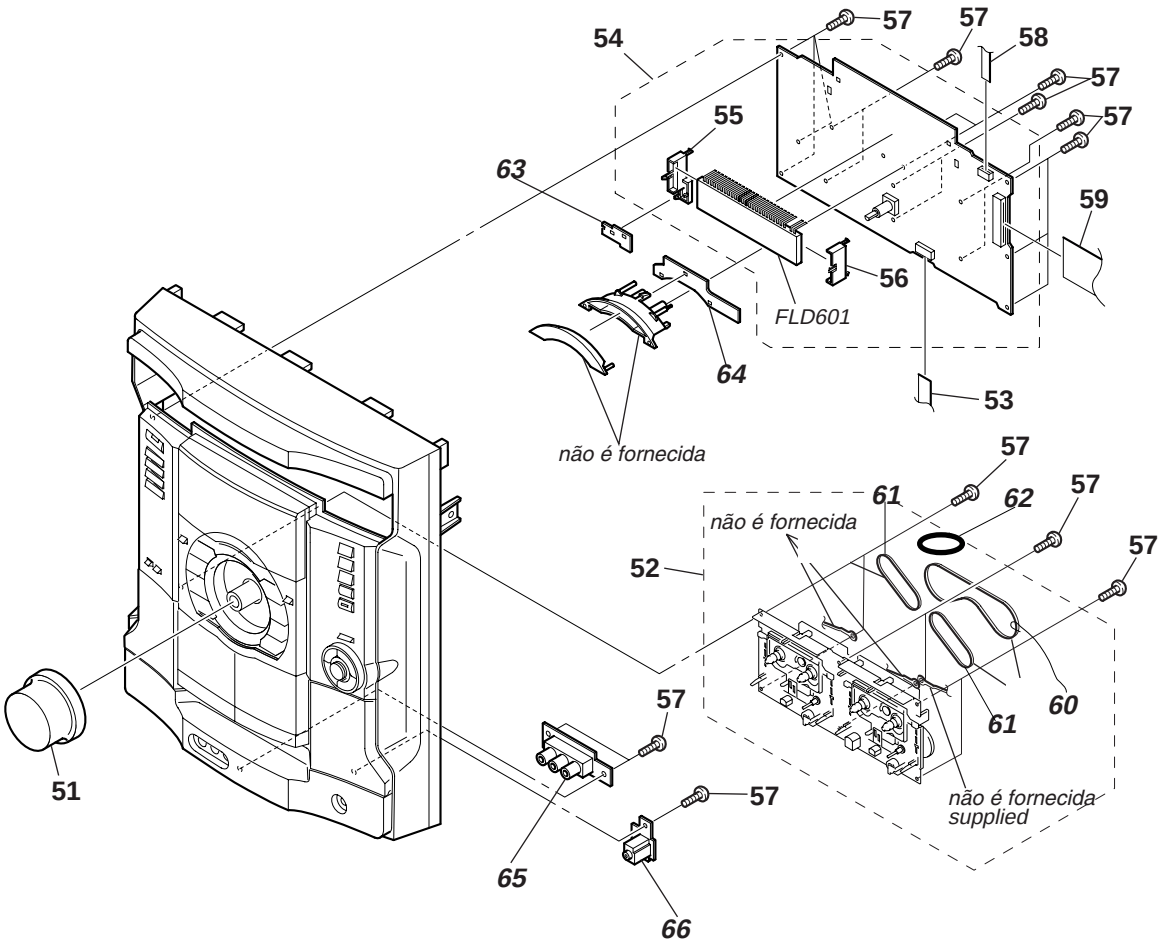
4-1. SEÇÃO PRINCIPAL



Ref. No.	Part No.	Description	Remark
1	3-363-099-31	SCREW (CASE 3 TP2)	
2	4-245-184-31	TAMPA LATERAL (LADO-D)	
3	4-245-183-31	TAMPA LATERAL (LADO-E)	
4	4-244-662-31	PAINEL DE CARREGAMENTO	
5	4-244-849-11	TAMPA SUPERIOR	
6	1-769-939-11	WIRE (FLAT TYPE) (11 CORE)	
7	4-244-697-02	TAMPA TRASEIRA	
8	1-688-084-11	PLACA VIDEO OUT	

Ref. No.	Part No.	Description	Remark
M731	1-763-488-61	VENTILADOR, DC	
TU901	1-693-623-11	BLOCO DE SINTONIA (FM/AM) (ANTENNA)	
#1	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S	
#2	7-685-871-01	SCREW +BVTT 3X6 (S)	
#3	7-685-872-09	SCREW +BVTT 3X8 (S)	

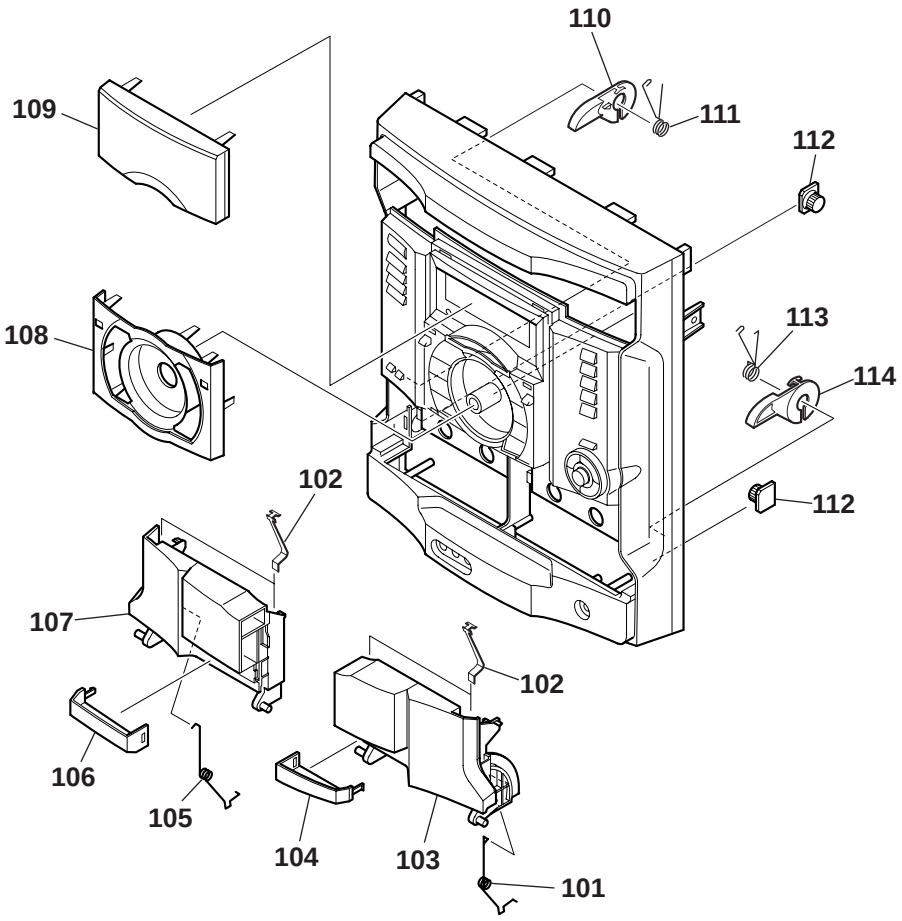
4-2. SEÇÃO PAINEL FRONTAL (1)



Ref. No.	Part No.	Description	Remark
51	4-244-686-01	VOLUME KNOB	
52	1-796-485-41	MECANISMO DO DECK	
53	1-827-145-12	WIRE (FLAT TYPE) (13 CORE)	
54	Y-8284-019-A	PLACA PAINEL MONTADA	
55	4-244-690-01	FL HOLDER (L)	
56	4-244-691-01	FL HOLDER (R)	
57	4-951-620-01	SCREW (2.6X8), +BVTP	
58	1-769-914-11	WIRE (FLAT TYPE) (9 CORE)	
52-1	A-4740-625-A	CABEÇA DECK A	
52-2	A-4740-626-A	CABE´A DECK B	

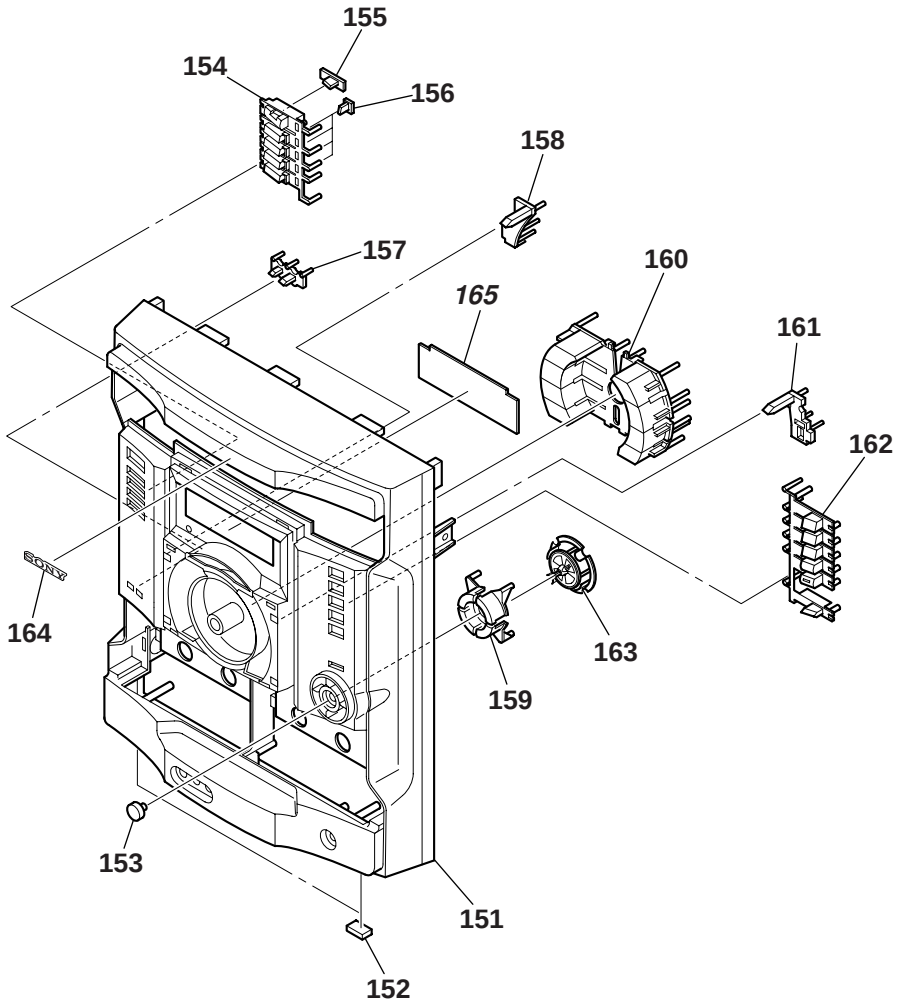
Ref. No.	Part No.	Description	Remark
59	1-773-322-11	WIRE (FLAT TYPE) (31 CORE)	
60	4-249-690-01	CORREIA (BF)	
61	4-235-777-01	CORREIA (FR)	
62	4-243-609-01	CORREIA (AF)	
63	1-688-083-11	PLACA REMOTO	
64	1-688-694-11	PLACA 1 STREAM LED	
65	1-688-086-11	PLACA GAME JACK	
66	1-688-087-11	PLACA H/P JACK	
FLD601	1-518-863-11	INDICATOR TUBE, FLUORESCENT	

4-3. SEÇÃO PAINEL FRONTAL (2)



Ref. No.	Part No.	Description	Remark
101	4-244-701-01	CASS DOOR SPRING (B)	
102	4-238-631-01	TAPE SPRING	
103	4-244-666-01	CASS DOOR (R)	
104	4-244-668-01	CASS WINDOW (R)	
105	4-244-700-01	CASS DOOR SPRING (A)	
106	4-244-667-01	CASS WINDOW (L)	
107	4-244-663-01	CASS DOOR (L)	
108	4-244-661-01	SUB PANEL	
109	4-244-669-01	DISPLAY WINDOW	
110	4-231-824-01	CAM (A), HEART	
111	4-231-836-01	SPRING (HEART CAM-A)	
112	4-224-104-41	DAMPER	
113	4-231-841-01	SPRING (HEART CAM-B)	
114	4-231-825-01	CAM (B), HEART	

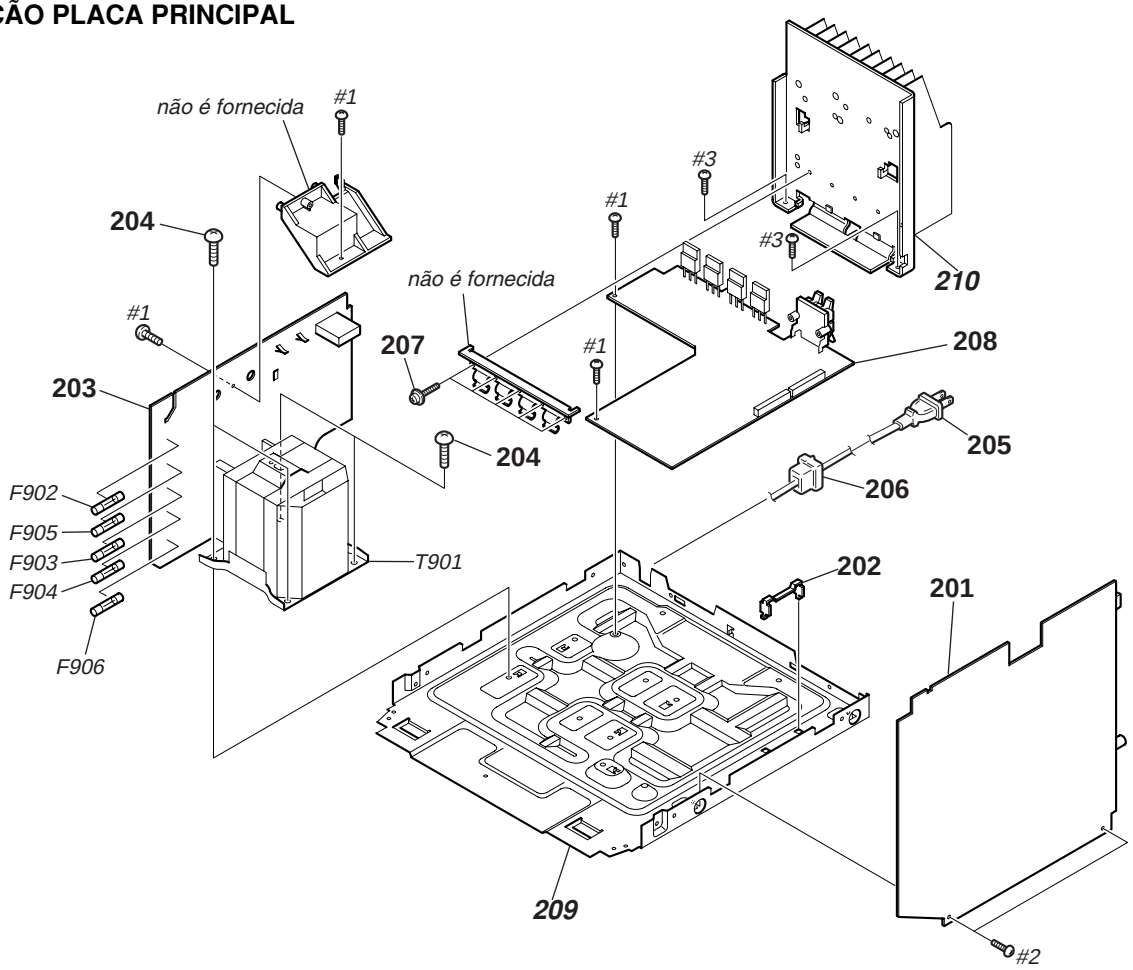
4-4. SEÇÃO PAINEL FRONTAL (3)



Ref. No.	Part No.	Description	Remark
151	4-244-660-21	PAINEL FRONTAL	
152	4-233-980-01	PÉ	
153	4-244-680-01	BOTÃO GAME MIXING	
154	4-244-676-01	TECLA FUNÇÕES	
155	4-244-677-01	INDICADOR POWER	
156	4-244-678-01	INDICADOR FUNÇÃO	

Ref. No.	Part No.	Description	Remark
157	4-244-683-01	BOTÃO RECORD (A)	
158	4-246-086-01	BOTÃO DISPLAY (A)	
159	4-244-684-01	BOTÃO EQ	
160	4-244-906-02	BOTÃO CONTROL	
161	4-246-087-01	BOTÃO PAUSE (A)	
162	4-244-679-01	BOTÃO DISC	
163	4-244-687-01	GAME MIXING HOLDER	
164	4-963-404-02	EMBLEMA SONY	
165	4-244-692-01	FILTRO DO VISOR (FL)	

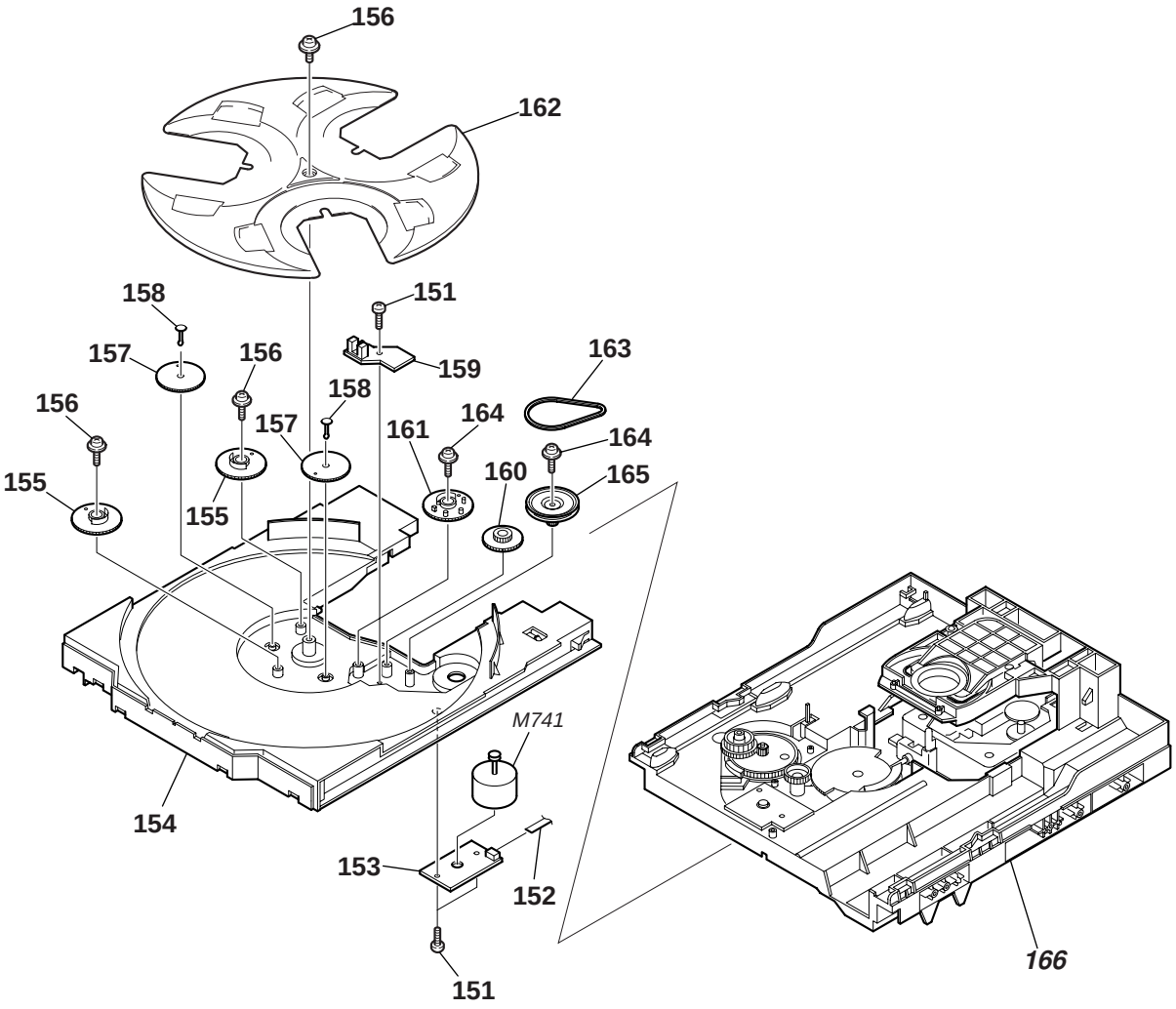
4-5. SEÇÃO PLACA PRINCIPAL



The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark
201	Y-8284-017-A	PLACA PRINCIPAL MONTADA	
202	4-988-533-01	HOLDER, PWB	
203	1-688-695-11	PLACA TRANSFORMADOR	
204	4-242-527-01	S-SCREW, ITC+4-8 R	
205	1-757-813-23	CABO DE FORÇA	
206	3-004-269-01	PRENSA CABO	
207	3-905-609-01	SCREW (TRANSISTOR)	
208	Y-8284-021-A	PLACA AMPLIFICADOR	
209	4-244-698-21	CHASSI	
210	4-244-699-11	DISSIPADOR	
⚠F902	1-533-470-12	FUSE, GLASS TUBE (DIA.5) (T3.15AL/250V)	
⚠F903	1-533-472-12	FUSE, GLASS TUBE (DIA.5) (T5AL/250V)	
⚠F904	1-533-472-12	FUSE, GLASS TUBE (DIA.5) (T5AL/250V)	
⚠F905	1-533-473-12	FUSE, GLASS TUBE (DIA.5) (T6.3AL/250V)	(AEP,UK,RU)
⚠F905	1-533-949-31	FUSE, GLASS TUBE (DIA.5) (T8AL/250V)	
⚠F906	1-533-949-31	FUSE, GLASS TUBE (DIA.5) (T8AL/250V)	
⚠T901	1-439-864-11	TRANSFORMADOR DE FORÇA	
#1	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S	
#2	7-685-871-01	SCREW +BVTT 3X6 (S)	
#3	7-685-872-09	SCREW +BVTT 3X8 (S)	

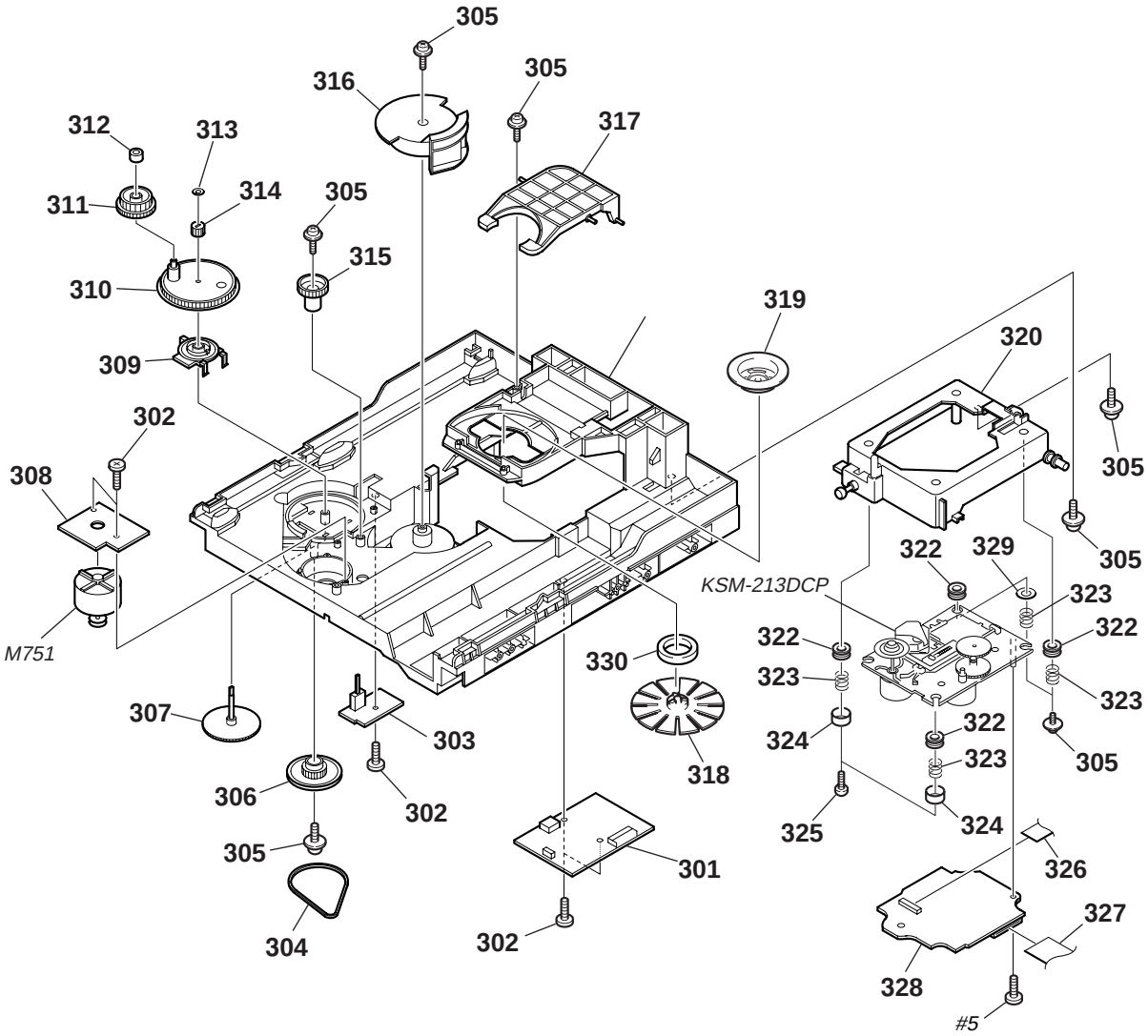
4-6. MECANISMO DO CD - SEÇÃO (1)
(CDM74F-K6BD71B)



Ref. No.	Part No.	Description	Remark
151	4-218-253-21	SCREW (M2.6), +BTTP	
152	1-776-182-11	WIRE (FLAT TYPE) (5 CORE)	
153	1-687-134-11	MOTOR (TB) BOARD	
154	4-243-815-01	BANDEJA (LOADING)	
155	4-245-571-01	GEAR (STOPPER)	
156	4-218-252-61	SCREW (+PTPWH M2.6), FLOATING	
157	4-245-570-01	GEAR (JOINT)	
158	4-245-572-01	BUSHING (GEAR)	

Ref. No.	Part No.	Description	Remark
159	1-687-132-11	SENSOR BOARD	
160	4-243-820-01	GEAR (TABLE)	
161	4-243-819-01	GEAR (GENEVA)	
162	4-243-816-01	DISCO	
163	4-243-823-01	BELT (TABLE)	
164	4-985-672-01	SCREW (+PTPWH M2.6), FLOATING	
165	4-243-821-01	PULLEY (TABLE)	
166	4-243-817-01	CHASSI	
M741	A-4723-963-A	MOTOR ASSY, TABLE (TURN)	

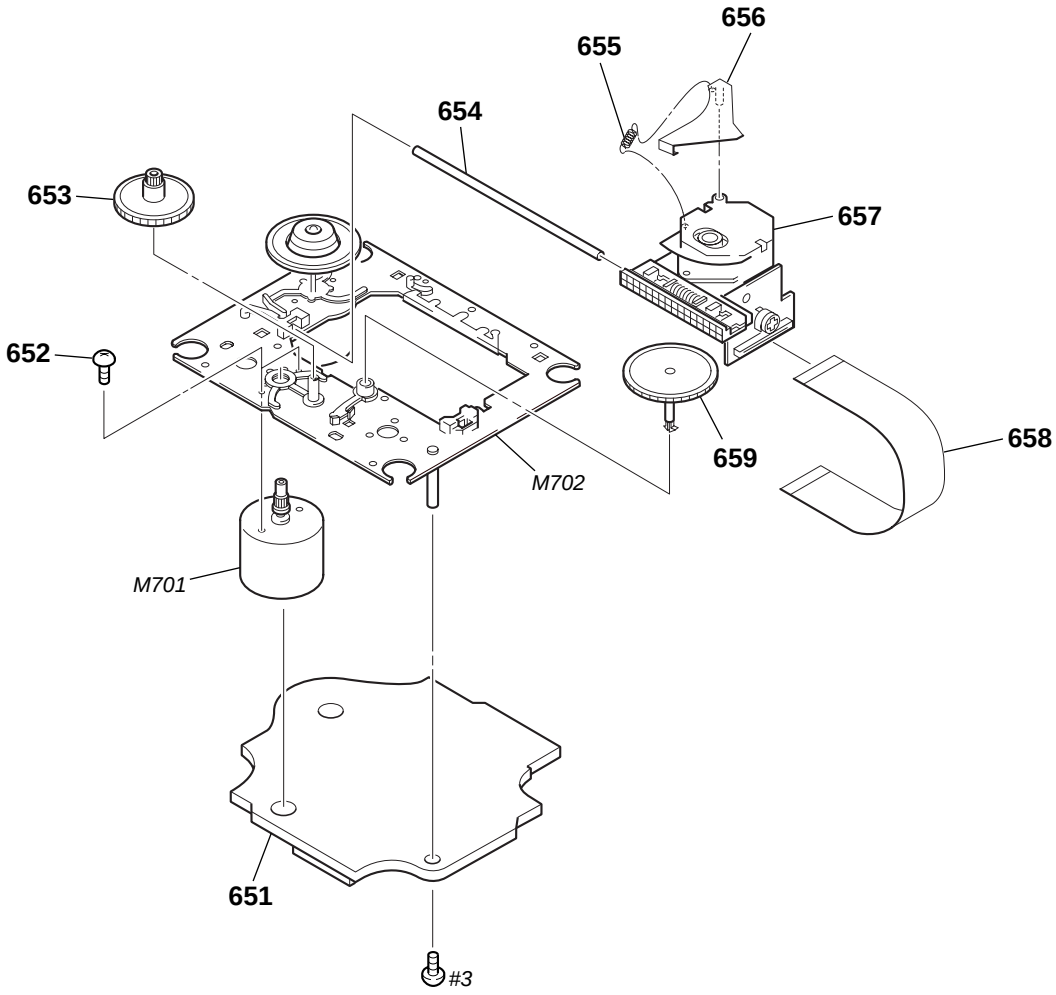
4-7. MECANISMO DO CD - SEÇÃO (2)
(CDM74F-K6BD71B)



Ref. No.	Part No.	Description	Remark
301	Y-8284-010-A	PLACA DRIVER	
302	4-218-253-31	SCREW (M2.6), +BTTP	
303	1-687-669-11	SW BOARD	
304	4-244-034-01	BELT (LOADING)	
305	4-218-252-61	SCREW (+PTPWH M2.6), FLOATING	
306	4-225-844-01	GEAR (LOADING A)	
307	4-224-613-02	GEAR (SHAFT)	
308	1-687-133-11	MOTOR (LD) BOARD	
309	1-477-680-11	ENCODER, ROTARY	
310	4-244-108-01	GEAR, SWING	
311	4-224-609-01	GEAR (LOADING C)	
312	4-224-608-01	COLLAR, SWING	
313	3-016-533-11	WASHER (FR), STOPPER	
314	4-224-611-01	GEAR (LOADING B)	
315	4-224-606-01	GEAR (RV)	
316	4-243-818-01	GEAR (U/D)	

Ref. No.	Part No.	Description	Remark
317	4-243-822-01	LEVER (LIFTER)	
318	X-4955-707-1	PULLEY (A5) ASSY, CHUCKING	
319	4-221-688-01	PULLEY (B), CHUCKING	
320	X-4955-536-1	HOLDER (213) ASSY	
322	4-227-549-11	INSULATOR	
323	4-227-045-31	SPRING (INSULATOR), COIL	
324	4-231-151-01	STOPPER (BU)	
325	4-218-253-31	SCREW (M2.6), +BTTP	
326	1-792-024-11	WIRE (FLAT TYPE) (16 CORE)	
327	1-827-146-11	WIRE (FLAT TYPE) (19 CORE)	
328	Y-8284-008-A	PLACA BD MONTADA	
329			
330	1-471-035-11	MAGNET ASSY	
M751	A-4736-655-A	MOTOR ASSY, LOADING (LOADING)	
#5	7-685-534-19	SCREW +BTP 2.6X8 TYPE2 N-S	

4.8. SEÇÃO BASE DO UNIDADE (BU-K6BD71B)



Os componentes identificados com a marca ⚠ são críticos para a segurança. Somente os substitua por peças identificadas nesse manual.

Ref. No.	Part No.	Description	Remark
651	Y-8284-024-A	PLACA BD MONTADA	
652	3-713-786-51	SCREW +P 2X3	
653	2-627-003-01	GEAR (B) (RP)	
654	2-626-908-01	SHAFT, SLED	
655	2-646-702-01	SPRING, EXTENSION	
656	2-646-697-02	SHUTTER (F) LENS	
⚠657	8-820-020-11	UNIDADE ÓTICA KSS-213D/Z-RP	
658	1-792-024-11	CABO TIPO FLAT (16 VIAS)	
659	2-625-907-11	GEAR (A)	
M701	X-2625-769-1	GEAR ASSY (MB) (RP), MOTOR (SLED)	
M702	X-2161-802-1	CHASSIS ASSY (DCP), T. T (SPINDLE)	
#3	7-685-534-19	SCREW +BTP 2.6X8 TYPE2 N-S	

BD

SEÇÃO 5
LISTA DE PEÇAS ELÉTRICAS

NOTA:
- Devido a padronização algumas peças dessa lista podem apresentar diferenças das peças indicadas nos esquemas elétricos ou mesmo das utilizadas no aparelho.
- -XX and -X indicam peças padronizadas que podem apresentar algumas diferenças das peças originalmente usadas no aparelho.
- RESISTORES
  Todos os resistores estão em ohms.
  METAL:resistor de metal-film
  METAL OXIDE: resistor Metal Oxide-film
  F:anti-chama
- Itens com a marca "*" não são mantidas em estoque por serem raramente solicitadas. Atrasos podem ser evitados antecipando-se os pedidos para estes itens.
- SEMICONDUTORES
  Em cada caso, u : µ, por exemplo
  uA.. : µA.. uPA.. : µPA..
  uPB.. : µPB.. uPC.. : µPC.. uPD.. : µPD..
- CAPACITORES
  uF : µF
- BOBINAS
  uH : µH

Os componentes indicados com a marca ⚠ são críticos para segurança Somente os substitua por peças indicadas nesse manual.

Quando solicitar peças pelo no. de ref. por favor indique o nome da placa.

Ref. No.	Part No.	Description			Remark
	Y-8284-024-A	PLACA BD MONTADA			
		**********			
		< CAPACITOR >			
C701	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C702	1-126-392-11	ELECT CHIP	100uF	20%	6.3V
C703	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C704	1-126-391-11	ELECT CHIP	47uF	20%	6.3V
C705	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C706	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C707	1-126-392-11	ELECT CHIP	100uF	20%	6.3V
C708	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C709	1-126-392-11	ELECT CHIP	100uF	20%	6.3V
C710	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C711	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C712	1-162-949-11	CERAMIC CHIP	47PF	5%	50V
C713	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C714	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C715	1-126-401-21	ELECT CHIP	1uF	20%	50V
C716	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C717	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C718	1-115-156-11	CERAMIC CHIP	1uF		10V
C719	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C720	1-162-953-11	CERAMIC CHIP	100PF	5%	50V
C721	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C722	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C723	1-126-392-11	ELECT CHIP	100uF	20%	6.3V
C729	1-128-360-11	ELECT CHIP	220uF	20%	10V
C731	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C732	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C733	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C734	1-162-917-11	CERAMIC CHIP	15PF	5%	50V
C735	1-162-918-11	CERAMIC CHIP	18PF	5%	50V
C741	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C742	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C743	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C744	1-125-837-11	CERAMIC CHIP	1uF	10%	6.3V
C746	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C747	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C748	1-128-360-11	ELECT CHIP	220uF	20%	10V
C753	1-162-949-11	CERAMIC CHIP	47PF	5%	50V
C754	1-162-949-11	CERAMIC CHIP	47PF	5%	50V
C756	1-162-949-11	CERAMIC CHIP	47PF	5%	50V
C761	1-162-915-91	CERAMIC CHIP	10PF		50V

Ref. No.	Part No.	Description			Remark
C802	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C803	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C804	1-162-945-11	CERAMIC CHIP	22PF	5%	50V
C805	1-126-392-11	ELECT CHIP	100uF	20%	6.3V
C806	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C807	1-126-392-11	ELECT CHIP	100uF	20%	6.3V
C810	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C811	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C812	1-115-156-11	CERAMIC CHIP	1uF		10V
C813	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C814	1-126-392-11	ELECT CHIP	100uF	20%	6.3V
C815	1-128-360-11	ELECT CHIP	220uF	20%	10V
C816	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C817	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C823	1-162-949-11	CERAMIC CHIP	47PF	5%	50V
C824	1-162-949-11	CERAMIC CHIP	47PF	5%	50V
C825	1-162-949-11	CERAMIC CHIP	47PF	5%	50V
C829	1-162-949-11	CERAMIC CHIP	47PF	5%	50V
C830	1-162-945-11	CERAMIC CHIP	22PF	5%	50V
C831	1-162-945-11	CERAMIC CHIP	22PF	5%	50V
C834	1-128-360-11	ELECT CHIP	220uF	20%	10V
C835	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C837	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C843	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C844	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C856	1-115-156-11	CERAMIC CHIP	1uF		10V
C857	1-162-945-11	CERAMIC CHIP	22PF	5%	50V
C858	1-162-945-11	CERAMIC CHIP	22PF	5%	50V
C859	1-162-945-11	CERAMIC CHIP	22PF	5%	50V
C860	1-162-953-11	CERAMIC CHIP	100PF	5%	50V
		< CONNECTOR >			
CN708	1-817-244-11	CONNECTOR, FFC 16P			
CN710	1-778-874-11	CONNECTOR, FFC (LIF(NON-ZIF)) 19P			
		< FERRITE BEAD >			
FB701	1-550-907-21	BEAD, FERRITE (CHIP)			
FB707	1-550-907-21	BEAD, FERRITE (CHIP)			
FB708	1-550-907-21	BEAD, FERRITE (CHIP)			
FB761	1-550-907-21	BEAD, FERRITE (CHIP)			
FB801	1-550-907-21	BEAD, FERRITE (CHIP)			
FB802	1-550-907-21	BEAD, FERRITE (CHIP)			
FB803	1-550-907-21	BEAD, FERRITE (CHIP)			
FB804	1-550-907-21	BEAD, FERRITE (CHIP)			
FB805	1-550-907-21	BEAD, FERRITE (CHIP)			

Ref. No.	Part No.	Description			Remark
FB806	1-550-907-21	BEAD, FERRITE (CHIP)			
FB807	1-550-907-21	BEAD, FERRITE (CHIP)			
FB808	1-550-907-21	BEAD, FERRITE (CHIP)			
		< IC >			
IC721	6-701-796-01	IC LC78646E-E			
IC722	6-704-220-01	IC BA5836FP			
IC801	6-704-008-01	IC LC78684E-E			
IC802	6-704-009-01	IC LC32V4265CT-25-MPB-E			
IC803	6-704-007-01	IC MM1571J			
		< TRANSISTOR >			
Q701	8-729-054-57	TRANSISTOR KTN2907AS-RTK			
		< RESISTOR >			
R701	1-216-841-11	METAL CHIP	47K	5%	1/10W
R702	1-216-835-11	METAL CHIP	15K	5%	1/10W
R703	1-216-835-11	METAL CHIP	15K	5%	1/10W
R704	1-216-835-11	METAL CHIP	15K	5%	1/10W
R705	1-216-835-11	METAL CHIP	15K	5%	1/10W
R706	1-216-841-11	METAL CHIP	47K	5%	1/10W
R707	1-216-797-11	METAL CHIP	10	5%	1/10W
R708	1-216-833-11	METAL CHIP	10K	5%	1/10W
R709	1-216-838-11	METAL CHIP	27K	5%	1/10W
R711	1-216-815-11	METAL CHIP	330	5%	1/10W
R713	1-216-821-11	METAL CHIP	1K	5%	1/10W
R714	1-216-809-11	METAL CHIP	100	5%	1/10W
R715	1-216-809-11	METAL CHIP	100	5%	1/10W
R716	1-216-809-11	METAL CHIP	100	5%	1/10W
R717	1-216-809-11	METAL CHIP	100	5%	1/10W
R718	1-216-809-11	METAL CHIP	100	5%	1/10W
R719	1-216-809-11	METAL CHIP	100	5%	1/10W
R720	1-216-809-11	METAL CHIP	100	5%	1/10W
R721	1-216-809-11	METAL CHIP	100	5%	1/10W
R722	1-216-809-11	METAL CHIP	100	5%	1/10W
R725	1-216-819-11	METAL CHIP	680	5%	1/10W
R726	1-216-819-11	METAL CHIP	680	5%	1/10W
R727	1-216-809-11	METAL CHIP	100	5%	1/10W
R728	1-216-841-11	METAL CHIP	47K	5%	1/10W
R729	1-216-834-11	METAL CHIP	12K	5%	1/10W
R730	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R731	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R732	1-216-864-11	METAL CHIP	0	5%	1/10W
R738	1-218-867-11	METAL CHIP	6.8K	5%	1/10W
R739	1-216-864-11	METAL CHIP	0	5%	1/10W
R740	1-218-867-11	METAL CHIP	6.8K	5%	1/10W
R741	1-216-864-11	METAL CHIP	0	5%	1/10W
R744	1-216-845-11	METAL CHIP	100K	5%	1/10W
R745	1-216-809-11	METAL CHIP	100	5%	1/10W
R746	1-216-803-11	METAL CHIP	33	5%	1/10W
R747	1-216-803-11	METAL CHIP	33	5%	1/10W
R760	1-216-809-11	METAL CHIP	100	5%	1/10W
R761	1-216-821-11	METAL CHIP	1K	5%	1/10W
R762	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R765	1-216-857-11	METAL CHIP	1M	5%	1/10W
R801	1-216-809-11	METAL CHIP	100	5%	1/10W
R802	1-216-809-11	METAL CHIP	100	5%	1/10W
R803	1-216-809-11	METAL CHIP	100	5%	1/10W
R804	1-216-809-11	METAL CHIP	100	5%	1/10W
R805	1-216-809-11	METAL CHIP	100	5%	1/10W
R806	1-216-809-11	METAL CHIP	100	5%	1/10W
R807	1-216-809-11	METAL CHIP	100	5%	1/10W
R817	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R818	1-216-811-11	METAL CHIP	150	5%	1/10W
R819	1-216-821-11	METAL CHIP	1K	5%	1/10W
R820	1-216-821-11	METAL CHIP	1K	5%	1/10W
R823	1-216-809-11	METAL CHIP	100	5%	1/10W
R824	1-216-809-11	METAL CHIP	100	5%	1/10W
R825	1-216-809-11	METAL CHIP	100	5%	1/10W
R826	1-216-809-11	METAL CHIP	100	5%	1/10W
R827	1-216-809-11	METAL CHIP	100	5%	1/10W
R828	1-216-809-11	METAL CHIP	100	5%	1/10W
R829	1-216-809-11	METAL CHIP	100	5%	1/10W
R832	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R833	1-216-809-11	METAL CHIP	100	5%	1/10W
R834	1-216-809-11	METAL CHIP	100	5%	1/10W
R860	1-216-809-11	METAL CHIP	100	5%	1/10W
		< SWITCH >			
S701	1-771-853-11	SWITCH, DETECTION (LIMIT IN)			
		< VIBRATOR >			
X701	1-767-408-21	VIBRATOR, CRYSTAL (16.9344MHz)			
**********					
	Y-8284-010-A	PLACA CD MONTADA			
		**********			
		< CAPACITOR >			
C715	1-126-933-11	ELECT	100uF	20%	16V
C731	1-126-964-11	ELECT	10uF	20%	50V
C735	1-164-159-21	CERAMIC	0.1uF		50V
C736	1-164-159-21	CERAMIC	0.1uF		50V
C737	1-164-159-21	CERAMIC	0.1uF		50V
C741	1-162-306-11	CERAMIC	0.01uF	30%	16V
C751	1-162-306-11	CERAMIC	0.01uF	30%	16V
C752	1-164-159-21	CERAMIC	0.1uF		50V
		< CONNECTOR >			
CN701	1-785-338-11	PIN, CONNECTOR (LIGHT ANGLE) 12P			
CN702	1-784-766-11	CONNECTOR, FFC 5P			
* CN703	1-564-720-11	PIN, CONNECTOR (SMALL TYPE) 4P			
CN704	1-785-328-11	PIN, CONNECTOR (LIGHT ANGLE) 2P			
		< DIODE >			
D701	8-719-923-33	DIODE MTZJT77-5.1A			
D711	8-719-983-13	DIODE MTZJT-77-3.6B			
		< IC >			
IC701	8-759-598-69	IC BA6956AN			
IC712	8-759-598-69	IC BA6956AN			
		< TRANSISTOR >			
Q731	8-729-029-67	TRANSISTOR DTC114ESA			

DRIVER

Ref. No.	Part No.	Description			Remark
		< RESISTOR >			
R701	1-249-413-11	CARBON	470	5%	1/4W
R702	1-247-807-31	CARBON	100	5%	1/4W
R711	1-249-417-11	CARBON	1K	5%	1/4W
R712	1-249-425-11	CARBON	4.7K	5%	1/4W
R713	1-249-433-11	CARBON	22K	5%	1/4W
R721	1-249-425-11	CARBON	4.7K	5%	1/4W
R722	1-249-425-11	CARBON	4.7K	5%	1/4W
R723	1-249-425-11	CARBON	4.7K	5%	1/4W
R731	1-247-807-31	CARBON	100	5%	1/4W
R732	1-249-429-11	CARBON	10K	5%	1/4W
R733	1-249-417-11	CARBON	1K	5%	1/4W
R734	1-249-430-11	CARBON	12K	5%	1/4W
R735	1-247-807-31	CARBON	100	5%	1/4W
R751	1-249-425-11	CARBON	4.7K	5%	1/4W

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Ref. No.	Part No.	Description			Remark
**********					
	Y-8284-017-A	PLACA PRINCIPAL MONTADA			
		**********			
	7-685-872-09	SCREW +BVTT 3X8 (S)			
		< CAPACITOR >			
C101	1-126-963-11	ELECT	4.7uF	20%	50V
C102	1-126-963-11	ELECT	4.7uF	20%	50V
C103	1-126-933-11	ELECT	100uF	20%	16V
C106	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C107	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C201	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C202	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C203	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C204	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C206	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C221	1-126-947-11	ELECT	47uF	20%	16V
C223	1-137-394-91	FILM	0.015uF	5%	100V
C225	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C226	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C230	1-162-949-11	CERAMIC CHIP	47PF	5%	50V
C231	1-162-949-11	CERAMIC CHIP	47PF	5%	50V
C232	1-126-947-11	ELECT	47uF	20%	16V
C233	1-130-471-00	MYLAR	0.001uF	5%	50V
C234	1-130-471-00	MYLAR	0.001uF	5%	50V
C235	1-126-960-11	ELECT	1uF	20%	50V
C236	1-126-933-11	ELECT	100uF	20%	16V
C237	1-126-960-11	ELECT	1uF	20%	50V
C239	1-130-485-00	MYLAR	0.015uF	5%	50V
C240	1-126-964-11	ELECT	10uF	20%	50V
C241	1-130-479-00	MYLAR	0.0047uF	5%	50V
C242	1-130-479-00	MYLAR	0.0047uF	5%	50V
C244	1-126-947-11	ELECT	47uF	20%	16V
C247	1-126-961-11	ELECT	2.2uF	20%	50V
C248	1-126-961-11	ELECT	2.2uF	20%	50V
C249	1-126-961-11	ELECT	2.2uF	20%	50V
C250	1-126-961-11	ELECT	2.2uF	20%	50V
C253	1-126-933-11	ELECT	100uF	20%	16V
C254	1-126-963-11	ELECT	4.7uF	20%	50V
C255	1-126-961-11	ELECT	2.2uF	20%	50V
C256	1-126-959-11	ELECT	0.47uF	20%	50V
C257	1-126-956-11	ELECT	0.1uF	20%	50V
C258	1-126-963-11	ELECT	4.7uF	20%	50V
C259	1-128-551-11	ELECT	22uF	20%	25V
C260	1-126-959-11	ELECT	0.47uF	20%	50V
C261	1-126-959-11	ELECT	0.47uF	20%	50V
C265	1-130-489-00	MYLAR	0.033uF	5%	50V
C266	1-130-483-00	MYLAR	0.01uF	5%	50V
C267	1-130-483-00	MYLAR	0.01uF	5%	50V
C268	1-126-960-11	ELECT	1uF	20%	50V
C269	1-126-960-11	ELECT	1uF	20%	50V
C272	1-126-960-11	ELECT	1uF	20%	50V
C273	1-126-960-11	ELECT	1uF	20%	50V
C285	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C286	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C300	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C301	1-126-964-11	ELECT	10uF	20%	50V
C302	1-126-964-11	ELECT	10uF	20%	50V
C303	1-104-665-11	ELECT	100uF	20%	10V
C304	1-126-963-11	ELECT	4.7uF	20%	50V
C307	1-126-964-11	ELECT	10uF	20%	50V
C308	1-126-964-11	ELECT	10uF	20%	50V
C309	1-126-964-11	ELECT	10uF	20%	50V
C310	1-126-964-11	ELECT	10uF	20%	50V
C311	1-126-964-11	ELECT	10uF	20%	50V
C312	1-126-964-11	ELECT	10uF	20%	50V
C313	1-107-714-11	ELECT	10uF	20%	16V
C314	1-107-714-11	ELECT	10uF	20%	16V
C317	1-126-964-11	ELECT	10uF	20%	50V
C318	1-126-964-11	ELECT	10uF	20%	50V
C319	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C320	1-130-487-00	MYLAR	0.022uF	5%	50V
C321	1-130-487-00	MYLAR	0.022uF	5%	50V
C323	1-130-487-00	MYLAR	0.022uF	5%	50V
C324	1-130-487-00	MYLAR	0.022uF	5%	50V
C325	1-130-491-00	MYLAR	0.047uF	5%	50V
C326	1-130-491-00	MYLAR	0.047uF	5%	50V
C327	1-130-476-00	MYLAR	0.0027uF	5%	50V
C328	1-130-476-00	MYLAR	0.0027uF	5%	50V
C331	1-130-494-11	MYLAR	0.082uF	5%	50V
C332	1-130-494-11	MYLAR	0.082uF	5%	50V
C333	1-130-493-00	MYLAR	0.068uF	5%	50V
C334	1-130-493-00	MYLAR	0.068uF	5%	50V
C337	1-126-964-11	ELECT	10uF	20%	50V
C339	1-126-934-11	ELECT	220uF	20%	16V
C342	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C345	1-126-933-11	ELECT	100uF	20%	16V
C348	1-126-947-11	ELECT	47uF	20%	16V
C349	1-126-964-11	ELECT	10uF	20%	50V
C350	1-126-964-11	ELECT	10uF	20%	50V
C351	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C352	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C353	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C354	1-162-966-91	CERAMIC CHIP	0.0022uF	10%	50V
C355	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C356	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C357	1-126-926-11	ELECT	1000uF	20%	10V
C359	1-126-947-11	ELECT	47uF	20%	16V

MAIN

Ref. No.	Part No.	Description			Remark
C361	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C362	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C363	1-126-964-11	ELECT	10uF	20%	50V
C364	1-126-964-11	ELECT	10uF	20%	50V
C365	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C366	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C369	1-126-964-11	ELECT	10uF	20%	50V
C370	1-126-964-11	ELECT	10uF	20%	50V
C371	1-126-947-11	ELECT	47uF	20%	16V
C372	1-126-964-11	ELECT	10uF	20%	50V
C373	1-130-483-00	MYLAR	0.01uF	5%	50V
C374	1-130-483-00	MYLAR	0.01uF	5%	50V
C375	1-126-943-51	ELECT	2200uF	20%	25V
C377	1-126-963-11	ELECT	4.7uF	20%	50V
C378	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C380	1-126-935-11	ELECT	470uF	20%	16V
C381	1-126-947-11	ELECT	47uF	20%	16V
C386	1-126-947-11	ELECT	47uF	20%	16V
C390	1-162-953-11	CERAMIC CHIP	100PF	5%	50V
C391	1-162-953-11	CERAMIC CHIP	100PF	5%	50V
C392	1-162-953-11	CERAMIC CHIP	100PF	5%	50V
C393	1-126-959-11	ELECT	0.47uF	20%	50V
C395	1-104-665-11	ELECT	100uF	20%	10V
C397	1-104-665-11	ELECT	100uF	20%	10V
C398	1-126-964-11	ELECT	10uF	20%	50V
C399	1-126-935-11	ELECT	470uF	20%	16V
C401	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C402	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C411	1-107-713-11	ELECT	4.7uF	20%	35V
C412	1-107-713-11	ELECT	4.7uF	20%	35V
C417	1-131-760-91	ELECT	1000uF	20%	10V
C418	1-130-483-00	MYLAR	0.01uF	5%	50V
C419	1-130-483-00	MYLAR	0.01uF	5%	50V
C420	1-126-943-51	ELECT	2200uF	20%	25V
C421	1-126-934-11	ELECT	220uF	20%	16V
C423	1-126-947-11	ELECT	47uF	20%	16V

Ref. No.	Part No.	Description			Remark
C441	1-165-128-11	CERAMIC CHIP	0.22uF		16V
C447	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C450	1-126-964-11	ELECT	10uF	20%	50V
		< CONNECTOR >			
CN101	1-784-772-11	CONNECTOR, FFC 11P			
CN202	1-564-710-11	PIN, CONNECTOR (SMALL TYPE) 8P			
* CN203	1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P			
* CN303	1-564-506-11	PLUG, CONNECTOR 3P			
CN305	1-564-705-11	PLUG, CONNECTOR 3P			
CN304	1-784-792-11	CONNECTOR, FFC 31P			
CN306	1-778-982-21	CONNECTOR, BOARD TO BOARD 13P			
CN307	1-778-982-21	CONNECTOR, BOARD TO BOARD 13P			
* CN308	1-564-709-11	PIN, CONNECTOR (SMALL TYPE) 7P			
CN310	1-564-707-11	PIN, CONNECTOR (SMALL TYPE) 5P			
CN311	1-568-828-11	CONNECTOR, FFC 9P			
CN312	1-784-780-11	CONNECTOR, FFC 19P			
		< DIODE >			
D102	6-500-522-21	DIODE 10EDB40-TB3			
D203	8-719-988-61	DIODE 1SS355TE-17			
D204	8-719-988-61	DIODE 1SS355TE-17			
D205	8-719-988-61	DIODE 1SS355TE-17			
D206	8-719-988-61	DIODE 1SS355TE-17			
D210	8-719-988-61	DIODE 1SS355TE-17			
D301	6-500-522-21	DIODE 10EDB40-TB3			
D302	6-500-522-21	DIODE 10EDB40-TB3			
D303	6-500-522-21	DIODE 10EDB40-TB3			
D304	6-500-522-21	DIODE 10EDB40-TB3			
D305	8-719-988-61	DIODE 1SS355TE-17			
D306	8-719-988-61	DIODE 1SS355TE-17			
D307	8-719-988-61	DIODE 1SS355TE-17			
D308	8-719-988-61	DIODE 1SS355TE-17			
D309	8-719-988-61	DIODE 1SS355TE-17			
D311	8-719-988-61	DIODE 1SS355TE-17			
D312	8-719-083-63	DIODE UDZS-TE17-13B			
D313	6-500-522-21	DIODE 10EDB40-TB3			
D314	6-500-522-21	DIODE 10EDB40-TB3			
D315	6-500-522-21	DIODE 10EDB40-TB3			

Ref. No.	Part No.	Description	Remark
D316	6-500-522-21	DIODE 10EDB40-TB3	
D317	8-719-988-61	DIODE 1SS355TE-17	
D318	8-719-085-36	DIODE 11EQS04-TB5	
D319	6-500-522-21	DIODE 10EDB40-TB3	
D320	6-500-522-21	DIODE 10EDB40-TB3	
D321	6-500-522-21	DIODE 10EDB40-TB3	
D322	6-500-522-21	DIODE 10EDB40-TB3	
D323	8-719-085-36	DIODE 11EQS04-TB5	
D324	8-719-988-61	DIODE 1SS355TE-17	
D325	8-719-988-61	DIODE 1SS355TE-17	
D364	8-719-988-61	DIODE 1SS355TE-17	
D366	8-719-988-61	DIODE 1SS355TE-17	
D371	8-719-988-61	DIODE 1SS355TE-17	
D374	8-719-988-61	DIODE 1SS355TE-17	
		< FERRITE BEAD >	
FB1	1-550-907-21	BEAD, FERRITE (CHIP)	
		< EARTH TERMINAL >	
* G1	1-537-738-21	TERMINAL, EARTH	
		< IC >	
IC201	6-702-130-01	IC HA12237F	
IC301	6-703-650-11	IC M61529FP-D60G	
IC304	8-759-274-71	IC NJM4565M-D	
IC305	8-759-400-67	IC AN7809	
IC306	6-701-760-01	IC uPC3504AHF	
IC308	8-759-400-67	IC AN7809	
IC309	6-704-046-01	IC BU2099FV	
IC310	6-704-046-01	IC BU2099FV	
IC313	8-759-231-57	IC TA7810S	
		< JACK >	
JK302	1-793-987-11	JACK, PIN 2P (MD(VIDEO)IN)	
		< JUMPER RESISTOR >	
JR124	1-216-864-11	METAL CHIP 0 5% 1/10W	
JR329	1-216-864-11	METAL CHIP 0 5% 1/10W	
JR330	1-216-864-11	METAL CHIP 0 5% 1/10W	
JR331	1-216-864-11	METAL CHIP 0 5% 1/10W	
JR332	1-216-864-11	METAL CHIP 0 5% 1/10W	
JR333	1-216-864-11	METAL CHIP 0 5% 1/10W	
JR339	1-216-864-11	METAL CHIP 0 5% 1/10W	
JR341	1-216-864-11	METAL CHIP 0 5% 1/10W	
JR343	1-216-864-11	METAL CHIP 0 5% 1/10W	
JR344	1-216-296-91	METAL CHIP 0 5% 1/10W	
JR453	1-216-864-11	METAL CHIP 0 5% 1/10W	
		< COIL >	
L201	1-424-849-11	TRANSFORMER, BIAS OSCILLATION	
L301	1-410-527-11	INDUCTOR 100uH	
		< IC >	
PH301	8-749-019-25	IC TOTX141 (DIGITAL OUT)	

Ref. No.	Part No.	Description	Remark
		< TRANSISTOR >	
Q210	8-729-600-91	TRANSISTOR 2SC3052F-T1-LF	
Q211	8-729-600-91	TRANSISTOR 2SC3052F-T1-LF	
Q212	8-729-600-91	TRANSISTOR 2SC3052F-T1-LF	
Q218	8-729-600-91	TRANSISTOR 2SC3052F-T1-LF	
Q219	8-729-600-91	TRANSISTOR 2SC3052F-T1-LF	
Q220	8-729-600-91	TRANSISTOR 2SC3052F-T1-LF	
Q221	8-729-600-91	TRANSISTOR 2SC3052F-T1-LF	
Q222	8-729-600-91	TRANSISTOR 2SC3052F-T1-LF	
Q223	8-729-142-47	TRANSISTOR 2SC2001-LK	
Q225	6-550-289-01	TRANSISTOR 2SA1235F	
Q228	8-729-141-87	TRANSISTOR 2SB1116TP-LK	
Q301	6-550-296-01	TRANSISTOR 2SA1980G	
Q302	8-729-600-91	TRANSISTOR 2SC3052F-T1-LF	
Q304	8-729-041-19	TRANSISTOR 2SA953-T-K	
Q310	8-729-052-79	TRANSISTOR 2SD1306NETL	
Q311	8-729-052-79	TRANSISTOR 2SD1306NETL	
Q312	6-550-289-01	TRANSISTOR 2SA1235F	
Q321	8-729-600-91	TRANSISTOR 2SC3052F-T1-LF	
Q322	8-729-600-91	TRANSISTOR 2SC3052F-T1-LF	
Q324	8-729-600-91	TRANSISTOR 2SC3052F-T1-LF	
Q329	6-550-289-01	TRANSISTOR 2SA1235F	
Q330	8-729-600-91	TRANSISTOR 2SC3052F-T1-LF	
Q331	6-550-289-01	TRANSISTOR 2SA1235F	
Q371	8-729-142-47	TRANSISTOR 2SC2001-LK	
Q373	8-729-142-47	TRANSISTOR 2SC2001-LK	
		< RESISTOR >	
R101	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R102	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R215	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
R216	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
R218	1-216-849-11	METAL CHIP 220K 5% 1/10W	
R219	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R220	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R225	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R226	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R231	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
R232	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
R233	1-216-837-11	METAL CHIP 22K 5% 1/10W	
R234	1-216-837-11	METAL CHIP 22K 5% 1/10W	
R235	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R236	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R237	1-216-857-11	METAL CHIP 1M 5% 1/10W	
R238	1-216-853-11	METAL CHIP 470K 5% 1/10W	
R239	1-216-827-11	METAL CHIP 3.3K 5% 1/10W	
R241	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
R242	1-216-829-11	METAL CHIP 4.7K 5% 1/10W	
R245	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R246	1-216-841-11	METAL CHIP 47K 5% 1/10W	
R249	1-216-853-11	METAL CHIP 470K 5% 1/10W	
R250	1-216-849-11	METAL CHIP 220K 5% 1/10W	
R251	1-216-797-91	METAL CHIP 10 5% 1/10W	
R252	1-216-838-91	METAL CHIP 27K 5% 1/10W	
R253	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R256	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R257	1-216-817-11	METAL CHIP 470 5% 1/10W	
R258	1-216-809-11	METAL CHIP 100 5% 1/10W	

MAIN

Ref. No.	Part No.	Description			Remark
R260	1-216-809-11	METAL CHIP	100	5%	1/10W
R261	1-216-817-11	METAL CHIP	470	5%	1/10W
R262	1-216-845-11	METAL CHIP	100K	5%	1/10W
R263	1-216-833-11	METAL CHIP	10K	5%	1/10W
R264	1-216-833-11	METAL CHIP	10K	5%	1/10W
R265	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R266	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R267	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R268	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R269	1-216-833-11	METAL CHIP	10K	5%	1/10W
R270	1-216-833-11	METAL CHIP	10K	5%	1/10W
R271	1-216-833-11	METAL CHIP	10K	5%	1/10W
R272	1-216-833-11	METAL CHIP	10K	5%	1/10W
R273	1-216-833-11	METAL CHIP	10K	5%	1/10W
R278	1-216-837-11	METAL CHIP	22K	5%	1/10W
R282	1-216-809-11	METAL CHIP	100	5%	1/10W
R283	1-216-833-11	METAL CHIP	10K	5%	1/10W
R284	1-216-833-11	METAL CHIP	10K	5%	1/10W
R285	1-216-833-11	METAL CHIP	10K	5%	1/10W
R286	1-216-833-11	METAL CHIP	10K	5%	1/10W
R287	1-216-833-11	METAL CHIP	10K	5%	1/10W
R288	1-216-833-11	METAL CHIP	10K	5%	1/10W
R299	1-216-833-11	METAL CHIP	10K	5%	1/10W
R301	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R302	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R303	1-216-837-11	METAL CHIP	22K	5%	1/10W
R304	1-216-837-11	METAL CHIP	22K	5%	1/10W
R305	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R306	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R307	1-216-809-11	METAL CHIP	100	5%	1/10W
R309	1-216-833-11	METAL CHIP	10K	5%	1/10W
R310	1-216-833-11	METAL CHIP	10K	5%	1/10W
R311	1-216-833-11	METAL CHIP	10K	5%	1/10W
R312	1-216-833-11	METAL CHIP	10K	5%	1/10W
R313	1-216-845-11	METAL CHIP	100K	5%	1/10W
R314	1-216-845-11	METAL CHIP	100K	5%	1/10W
R316	1-216-833-11	METAL CHIP	10K	5%	1/10W
R317	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R318	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R319	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R320	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R321	1-216-833-11	METAL CHIP	10K	5%	1/10W
R322	1-216-833-11	METAL CHIP	10K	5%	1/10W
R323	1-216-821-11	METAL CHIP	1K	5%	1/10W
R324	1-216-809-11	METAL CHIP	100	5%	1/10W
R325	1-216-833-11	METAL CHIP	10K	5%	1/10W
R326	1-216-833-11	METAL CHIP	10K	5%	1/10W
R327	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R328	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R329	1-216-805-91	METAL CHIP	47	5%	1/10W
R330	1-216-833-11	METAL CHIP	10K	5%	1/10W
R341	1-216-821-11	METAL CHIP	1K	5%	1/10W
R344	1-216-841-11	METAL CHIP	47K	5%	1/10W
R345	1-216-841-11	METAL CHIP	47K	5%	1/10W
R346	1-216-837-11	METAL CHIP	22K	5%	1/10W
R348	1-216-837-11	METAL CHIP	22K	5%	1/10W
R352	1-218-717-11	METAL CHIP	11K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R353	1-218-717-11	METAL CHIP	11K	5%	1/10W
R354	1-216-841-11	METAL CHIP	47K	5%	1/10W
R355	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R356	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R358	1-216-837-11	METAL CHIP	22K	5%	1/10W
R360	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R361	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R362	1-216-837-11	METAL CHIP	22K	5%	1/10W
R363	1-216-837-11	METAL CHIP	22K	5%	1/10W
R364	1-216-845-11	METAL CHIP	100K	5%	1/10W
R365	1-216-857-11	METAL CHIP	1M	5%	1/10W
R368	1-216-809-11	METAL CHIP	100	5%	1/10W
R369	1-216-809-11	METAL CHIP	100	5%	1/10W
R371	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R372	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R373	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R374	1-216-841-11	METAL CHIP	47K	5%	1/10W
R377	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R378	1-216-833-11	METAL CHIP	10K	5%	1/10W
R379	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R380	1-216-853-11	METAL CHIP	470K	5%	1/10W
R384	1-218-717-11	METAL CHIP	11K	5%	1/10W
R386	1-216-833-11	METAL CHIP	10K	5%	1/10W
R387	1-216-834-11	METAL CHIP	12K	5%	1/10W
R388	1-216-821-11	METAL CHIP	1K	5%	1/10W
R390	1-216-833-11	METAL CHIP	10K	5%	1/10W
R395	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R396	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R397	1-216-833-11	METAL CHIP	10K	5%	1/10W
R398	1-216-833-11	METAL CHIP	10K	5%	1/10W
R399	1-216-833-11	METAL CHIP	10K	5%	1/10W
R400	1-216-833-11	METAL CHIP	10K	5%	1/10W
R401	1-216-833-11	METAL CHIP	10K	5%	1/10W
R402	1-216-833-11	METAL CHIP	10K	5%	1/10W
R404	1-216-833-11	METAL CHIP	10K	5%	1/10W
R405	1-216-833-11	METAL CHIP	10K	5%	1/10W
R406	1-216-837-11	METAL CHIP	22K	5%	1/10W
R407	1-216-833-11	METAL CHIP	10K	5%	1/10W
R408	1-216-833-11	METAL CHIP	10K	5%	1/10W
R409	1-216-833-11	METAL CHIP	10K	5%	1/10W
R410	1-216-833-11	METAL CHIP	10K	5%	1/10W
R420	1-216-833-11	METAL CHIP	10K	5%	1/10W
R421	1-216-833-11	METAL CHIP	10K	5%	1/10W
R422	1-216-806-11	METAL CHIP	56	5%	1/10W
R423	1-216-806-11	METAL CHIP	56	5%	1/10W
R424	1-216-837-11	METAL CHIP	22K	5%	1/10W
R425	1-216-837-11	METAL CHIP	22K	5%	1/10W
R426	1-216-837-11	METAL CHIP	22K	5%	1/10W
R427	1-216-134-00	METAL CHIP	2.2	5%	1/8W
R428	1-216-134-00	METAL CHIP	2.2	5%	1/8W
R429	1-216-821-11	METAL CHIP	1K	5%	1/10W
R430	1-216-833-11	METAL CHIP	10K	5%	1/10W
R431	1-216-847-11	METAL CHIP	150K	5%	1/10W
R432	1-216-809-11	METAL CHIP	100	5%	1/10W
⚠R433	1-215-891-51	METAL OXIDE	680	5%	2W F
⚠R434	1-215-891-51	METAL OXIDE	680	5%	2W F
R435	1-216-857-11	METAL CHIP	1M	5%	1/10W
R455	1-218-717-11	METAL CHIP	11K	5%	1/10W

Os componentes identificados com a marca ⚠ são críticos para a segurança. Somente os substitua por peças indicadas nesse manual

Ref. No.	Part No.	Description			Remark
R456	1-218-717-11	METAL CHIP	11K	5%	1/10W
R457	1-216-837-11	METAL CHIP	22K	5%	1/10W
R459	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R460	1-216-821-11	METAL CHIP	1K	5%	1/10W
R461	1-216-821-11	METAL CHIP	1K	5%	1/10W
R465	1-216-837-11	METAL CHIP	22K	5%	1/10W
R466	1-216-837-11	METAL CHIP	22K	5%	1/10W
R480	1-216-833-11	METAL CHIP	10K	5%	1/10W
R481	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R482	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R483	1-216-821-11	METAL CHIP	1K	5%	1/10W
R484	1-216-833-11	METAL CHIP	10K	5%	1/10W
R486	1-216-809-11	METAL CHIP	100	5%	1/10W
R487	1-216-134-00	METAL CHIP	2.2	5%	1/8W
R488	1-216-134-00	METAL CHIP	2.2	5%	1/8W
R498	1-216-833-11	METAL CHIP	10K	5%	1/10W
R499	1-216-833-11	METAL CHIP	10K	5%	1/10W
**********					
	1-687-133-11	MOTOR (LD) BOARD			
		**********			
**********					
	1-687-134-11	MOTOR (TB) BOARD			
		**********			
		< CONNECTOR >			
CN742	1-784-727-11	CONNECTOR, FFC 5P			
**********					
	Y-8284-019-A	PLACA PAINEL MONTADA			
		**********			
	4-244-902-01	FL HOLDER (L)			
	4-244-903-01	FL HOLDER (R)			
		< CAPACITOR >			
C601	1-124-247-11	ELECT	10uF	20%	35V
C602	1-124-247-11	ELECT	10uF	20%	35V
C603	1-124-589-11	ELECT	47uF	20%	16V
C604	1-124-261-00	ELECT	10uF	20%	50V
C611	1-126-916-11	ELECT	1000uF	20%	6.3V
C612	1-115-156-11	CERAMIC CHIP	1uF		10V
C614	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C615	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C616	1-115-156-11	CERAMIC CHIP	1uF		10V
C617	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C618	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C619	1-124-234-00	ELECT	22uF	20%	16V
C620	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C621	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C622	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C635	1-162-918-11	CERAMIC CHIP	18PF	5%	50V
C636	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C637	1-126-957-11	ELECT	0.22uF	20%	50V
C638	1-124-464-11	ELECT	0.22uF	20%	50V
C639	1-126-947-11	ELECT	47uF	20%	35V
C640	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V

Ref. No.	Part No.	Description			Remark
C641	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C642	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C643	1-115-156-11	CERAMIC CHIP	1uF		10V
C644	1-124-234-00	ELECT	22uF	20%	16V
C646	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C647	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C648	1-124-257-00	ELECT	2.2uF	20%	50V
C649	1-124-234-00	ELECT	22uF	20%	16V
C650	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
		< CONNECTOR >			
CN601	1-784-753-11	CONNECTOR, FFC 31P			
CN602	1-784-731-11	CONNECTOR, FFC 9P			
CN603	1-816-422-11	PIN, CONNECTOR 3P			
CN605	1-784-735-11	CONNECTOR, FFC 13P			
* CN606	1-564-709-11	PIN, CONNECTOR (SMALL TYPE) 7P			
		< DIODE >			
D606	8-719-988-61	DIODE 1SS355TE-17			
D608	8-719-988-61	DIODE 1SS355TE-17			
D614	8-719-988-61	DIODE 1SS355TE-17			
D615	8-719-988-61	DIODE 1SS355TE-17			
D616	8-719-988-61	DIODE 1SS355TE-17			
D617	8-719-988-61	DIODE 1SS355TE-17			
D618	8-719-988-61	DIODE 1SS355TE-17			
D619	8-719-988-61	DIODE 1SS355TE-17			
D620	8-719-988-61	DIODE 1SS355TE-17			
D621	8-719-988-61	DIODE 1SS355TE-17			
D622	8-719-988-61	DIODE 1SS355TE-17			
D623	8-719-988-61	DIODE 1SS355TE-17			
D624	8-719-988-61	DIODE 1SS355TE-17			
D625	8-719-988-61	DIODE 1SS355TE-17			
D626	8-719-083-61	DIODE UDZS-TE17-11B			
D627	8-719-988-61	DIODE 1SS355TE-17			
D628	8-719-988-61	DIODE 1SS355TE-17			
D629	8-719-988-61	DIODE 1SS355TE-17			
D630	8-719-988-61	DIODE 1SS355TE-17			
D631	8-719-988-61	DIODE 1SS355TE-17			
D633	8-719-988-61	DIODE 1SS355TE-17			
D634	8-719-988-61	DIODE 1SS355TE-17			
		< COIL >			
FB601	1-412-473-21	INDUCTOR (SMALL TYPE)			
		< FLUORESCENT INDICATOR >			
FLD601	1-518-863-11	INDICATOR TUBE, FLUORESCENT			
		< IC >			
IC601	6-803-327-01	IC LC876780B-51Y0-E			
IC602	6-704-045-01	IC MM1574A			
IC603	8-759-533-04	IC M62703ML-E1			
		< JUMPER RESISTOR >			
JR604	1-216-864-11	METAL CHIP	0	5%	1/10W
JR605	1-216-864-11	METAL CHIP	0	5%	1/10W
JR606	1-216-864-11	METAL CHIP	0	5%	1/10W

PANEL

Ref. No.	Part No.	Description			Remark
JR607	1-216-864-11	METAL CHIP	0	5%	1/10W
JR608	1-216-864-11	METAL CHIP	0	5%	1/10W
JR609	1-216-864-11	METAL CHIP	0	5%	1/10W
JR610	1-216-864-11	METAL CHIP	0	5%	1/10W
JR611	1-216-864-11	METAL CHIP	0	5%	1/10W
JR613	1-216-864-11	METAL CHIP	0	5%	1/10W
JR614	1-216-864-11	METAL CHIP	0	5%	1/10W
JR615	1-216-864-11	METAL CHIP	0	5%	1/10W
JR617	1-216-864-11	METAL CHIP	0	5%	1/10W
JR620	1-216-864-11	METAL CHIP	0	5%	1/10W
JR621	1-216-864-11	METAL CHIP	0	5%	1/10W
JR622	1-216-864-11	METAL CHIP	0	5%	1/10W
JR624	1-216-864-11	METAL CHIP	0	5%	1/10W
JR625	1-216-864-11	METAL CHIP	0	5%	1/10W
JR626	1-216-864-11	METAL CHIP	0	5%	1/10W
		< DIODE >			
LED607	8-719-071-41	LED SELS5923C-TP15 (CD)			
LED608	8-719-071-41	LED SELS5923C-TP15 (TUNER/BAND)			
LED609	8-719-071-41	LED SELS5923C-TP15 (TAPE A/B)			
LED610	6-500-414-01	LED HL-30105Q2AT (GAME)			
LED612	8-719-071-41	LED SELS5923C-TP15 (MD(VIDEO))			
LED614	8-719-071-44	LED SELS5223C-TP15 (POWER)			
		< TRANSISTOR >			
Q601	8-729-600-91	TRANSISTOR 2SC3052F-T1-LF			
Q602	8-729-600-91	TRANSISTOR 2SC3052F-T1-LF			
Q603	8-729-600-91	TRANSISTOR 2SC3052F-T1-LF			
Q604	8-729-600-91	TRANSISTOR 2SC3052F-T1-LF			
Q605	8-729-120-28	TRANSISTOR 2SC1623-L5L6			
Q607	8-729-600-91	TRANSISTOR 2SC1623-L5L6			
Q609	8-729-600-91	TRANSISTOR 2SC1623-L5L6			
Q610	8-729-600-91	TRANSISTOR 2SC1623-L5L6			
Q616	8-729-114-87	TRANSISTOR 2SB1116A-L			
Q617	8-729-114-87	TRANSISTOR 2SB1116A-L			
Q618	8-729-116-60	TRANSISTOR 2SB1068-L			
		< RESISTOR >			
R030	1-216-809-11	METAL CHIP	100	5%	1/10W
R031	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R032	1-216-848-11	METAL CHIP	180K	5%	1/10W
R033	1-216-837-11	METAL CHIP	22K	5%	1/10W
R034	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R035	1-216-841-11	METAL CHIP	47K	5%	1/10W
R036	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R037	1-216-817-11	METAL CHIP	470	5%	1/10W
R039	1-216-809-11	METAL CHIP	100	5%	1/10W
R040	1-216-845-11	METAL CHIP	100K	5%	1/10W
R041	1-216-845-11	METAL CHIP	100K	5%	1/10W
R042	1-216-845-11	METAL CHIP	100K	5%	1/10W
R043	1-216-845-11	METAL CHIP	100K	5%	1/10W
R044	1-216-845-11	METAL CHIP	100K	5%	1/10W
R045	1-216-845-11	METAL CHIP	100K	5%	1/10W
R046	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R047	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R048	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R049	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R050	1-216-821-11	METAL CHIP	1K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R051	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R053	1-216-841-11	METAL CHIP	47K	5%	1/10W
R054	1-216-841-11	METAL CHIP	47K	5%	1/10W
R055	1-216-841-11	METAL CHIP	47K	5%	1/10W
R056	1-216-841-11	METAL CHIP	47K	5%	1/10W
R057	1-216-841-11	METAL CHIP	47K	5%	1/10W
R058	1-216-841-11	METAL CHIP	47K	5%	1/10W
R059	1-216-841-11	METAL CHIP	47K	5%	1/10W
R060	1-216-841-11	METAL CHIP	47K	5%	1/10W
R061	1-216-841-11	METAL CHIP	47K	5%	1/10W
R062	1-216-841-11	METAL CHIP	47K	5%	1/10W
R063	1-216-841-11	METAL CHIP	47K	5%	1/10W
R064	1-216-841-11	METAL CHIP	47K	5%	1/10W
R065	1-216-841-11	METAL CHIP	47K	5%	1/10W
R066	1-216-841-11	METAL CHIP	47K	5%	1/10W
R067	1-216-841-11	METAL CHIP	47K	5%	1/10W
R068	1-216-841-11	METAL CHIP	47K	5%	1/10W
R069	1-216-841-11	METAL CHIP	47K	5%	1/10W
R070	1-216-841-11	METAL CHIP	47K	5%	1/10W
R071	1-216-841-11	METAL CHIP	47K	5%	1/10W
R072	1-216-841-11	METAL CHIP	47K	5%	1/10W
R073	1-216-841-11	METAL CHIP	47K	5%	1/10W
R074	1-216-841-11	METAL CHIP	47K	5%	1/10W
R075	1-216-841-11	METAL CHIP	47K	5%	1/10W
R076	1-216-841-11	METAL CHIP	47K	5%	1/10W
R077	1-216-841-11	METAL CHIP	47K	5%	1/10W
R078	1-216-841-11	METAL CHIP	47K	5%	1/10W
R079	1-216-841-11	METAL CHIP	47K	5%	1/10W
R080	1-216-841-11	METAL CHIP	47K	5%	1/10W
R081	1-216-841-11	METAL CHIP	47K	5%	1/10W
R082	1-216-841-11	METAL CHIP	47K	5%	1/10W
R083	1-216-841-11	METAL CHIP	47K	5%	1/10W
R084	1-216-841-11	METAL CHIP	47K	5%	1/10W
R085	1-216-841-11	METAL CHIP	47K	5%	1/10W
R086	1-216-841-11	METAL CHIP	47K	5%	1/10W
R087	1-216-820-11	METAL CHIP	820	5%	1/10W
R088	1-216-820-11	METAL CHIP	820	5%	1/10W
R089	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R090	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R601	1-216-839-11	METAL CHIP	33K	5%	1/10W
R603	1-216-843-11	METAL CHIP	68K	5%	1/10W
R604	1-216-833-11	METAL CHIP	10K	5%	1/10W
R605	1-216-833-11	METAL CHIP	10K	5%	1/10W
R606	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R607	1-216-849-11	METAL CHIP	220K	5%	1/10W
R609	1-216-833-11	METAL CHIP	10K	5%	1/10W
R610	1-216-835-11	METAL CHIP	15K	5%	1/10W
R611	1-216-809-11	METAL CHIP	100	5%	1/10W
R612	1-216-809-11	METAL CHIP	100	5%	1/10W
R613	1-216-821-11	METAL CHIP	1K	5%	1/10W
R614	1-216-821-11	METAL CHIP	1K	5%	1/10W
R615	1-216-821-11	METAL CHIP	1K	5%	1/10W
R616	1-216-817-11	METAL CHIP	470	5%	1/10W
R623	1-216-198-11	RES-CHIP	1K	5%	1/8W

Ref. No.	Part No.	Description			Remark
R623	1-216-817-11	METAL CHIP	470	5%	1/10W
R624	1-216-835-11	METAL CHIP	15K	5%	1/10W
R625	1-216-817-11	METAL CHIP	470	5%	1/10W
R626	1-216-819-11	METAL CHIP	680	5%	1/10W
R627	1-216-821-11	METAL CHIP	1K	5%	1/10W
R628	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R629	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R630	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R631	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R632	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R633	1-218-867-11	METAL CHIP	6.8K	5%	1/10W
R634	1-216-833-11	METAL CHIP	10K	5%	1/10W
R635	1-216-198-11	RES-CHIP	1K	5%	1/8W
R635	1-216-817-11	METAL CHIP	470	5%	1/10W
R636	1-216-821-11	METAL CHIP	1K	5%	1/10W
R637	1-216-843-11	METAL CHIP	68K	5%	1/10W
R638	1-216-835-11	METAL CHIP	15K	5%	1/10W
R639	1-216-817-11	METAL CHIP	470	5%	1/10W
R640	1-216-819-11	METAL CHIP	680	5%	1/10W
R641	1-216-821-11	METAL CHIP	1K	5%	1/10W
R642	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R643	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R644	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R645	1-216-198-11	RES-CHIP	1K	5%	1/8W
R646	1-216-849-11	METAL CHIP	220K	5%	1/10W
R647	1-200-397-11	METAL	4.7M	5%	1/10W
R648	1-216-819-11	METAL CHIP	680	5%	1/10W
R649	1-216-198-11	RES-CHIP	1K	5%	1/8W
R650	1-216-843-11	METAL CHIP	68K	5%	1/10W
R651	1-216-833-11	METAL CHIP	10K	5%	1/10W
R652	1-216-809-11	METAL CHIP	100	5%	1/10W
R653	1-216-805-11	METAL CHIP	47	5%	1/10W
R654	1-216-833-11	METAL CHIP	10K	5%	1/10W
R655	1-216-841-11	METAL CHIP	47K	5%	1/10W
R656	1-216-841-11	METAL CHIP	47K	5%	1/10W
R657	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R658	1-216-833-11	METAL CHIP	10K	5%	1/10W
R659	1-216-833-11	METAL CHIP	10K	5%	1/10W
R660	1-216-835-11	METAL CHIP	15K	5%	1/10W
R661	1-216-837-11	METAL CHIP	22K	5%	1/10W
R662	1-216-819-11	METAL CHIP	680	5%	1/10W
R663	1-216-821-11	METAL CHIP	1K	5%	1/10W
R664	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R665	1-216-809-11	METAL CHIP	100	5%	1/10W
R666	1-216-841-11	METAL CHIP	47K	5%	1/10W
R667	1-216-813-11	METAL CHIP	220	5%	1/10W
R668	1-216-809-11	METAL CHIP	100	5%	1/10W
R669	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R670	1-216-845-11	METAL CHIP	100K	5%	1/10W
R671	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R672	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R673	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R674	1-216-839-11	METAL CHIP	33K	5%	1/10W
R675	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R676	1-216-821-11	METAL CHIP	1K	5%	1/10W
R677	1-216-851-11	METAL CHIP	330K	5%	1/10W
R678	1-216-841-11	METAL CHIP	47K	5%	1/10W
R679	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R680	1-216-809-11	METAL CHIP	100	5%	1/10W
R681	1-216-833-11	METAL CHIP	10K	5%	1/10W
R682	1-218-867-11	METAL CHIP	6.8K	5%	1/10W
R683	1-216-833-11	METAL CHIP	10K	5%	1/10W
R684	1-216-835-11	METAL CHIP	15K	5%	1/10W
R685	1-216-837-11	METAL CHIP	22K	5%	1/10W
R686	1-218-867-11	METAL CHIP	6.8K	5%	1/10W
R687	1-216-833-11	METAL CHIP	10K	5%	1/10W
R688	1-216-835-11	METAL CHIP	15K	5%	1/10W
R689	1-216-837-11	METAL CHIP	22K	5%	1/10W
R690	1-216-839-11	METAL CHIP	33K	5%	1/10W
R691	1-216-833-11	METAL CHIP	10K	5%	1/10W
R692	1-216-809-11	METAL CHIP	100	5%	1/10W
R693	1-216-809-11	METAL CHIP	100	5%	1/10W
R694	1-216-809-11	METAL CHIP	100	5%	1/10W
R695	1-216-809-11	METAL CHIP	100	5%	1/10W
R696	1-216-809-11	METAL CHIP	100	5%	1/10W
R697	1-216-809-11	METAL CHIP	100	5%	1/10W
R698	1-216-809-11	METAL CHIP	100	5%	1/10W
R699	1-216-821-11	METAL CHIP	1K	5%	1/10W
R902	1-216-841-11	METAL CHIP	47K	5%	1/10W
R903	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R904	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R905	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R906	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R907	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R908	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R909	1-216-837-11	METAL CHIP	22K	5%	1/10W
R910	1-216-837-11	METAL CHIP	22K	5%	1/10W
R911	1-216-837-11	METAL CHIP	22K	5%	1/10W
R912	1-216-837-11	METAL CHIP	22K	5%	1/10W
R913	1-216-837-11	METAL CHIP	22K	5%	1/10W
R914	1-216-837-11	METAL CHIP	22K	5%	1/10W
R915	1-216-833-11	METAL CHIP	10K	5%	1/10W
R916	1-216-821-11	METAL CHIP	1K	5%	1/10W
R917	1-216-833-11	METAL CHIP	10K	5%	1/10W
R918	1-216-821-11	METAL CHIP	1K	5%	1/10W
R919	1-216-833-11	METAL CHIP	10K	5%	1/10W
R920	1-216-821-11	METAL CHIP	1K	5%	1/10W
R921	1-216-841-11	METAL CHIP	47K	5%	1/10W
R922	1-218-717-11	METAL CHIP	11K	5%	1/10W
R923	1-218-717-11	METAL CHIP	11K	5%	1/10W
R924	1-218-717-11	METAL CHIP	11K	5%	1/10W
R925	1-218-717-11	METAL CHIP	11K	5%	1/10W
R926	1-216-837-11	METAL CHIP	22K	5%	1/10W
R927	1-216-837-11	METAL CHIP	22K	5%	1/10W
R931	1-216-182-00	RES-CHIP	220	5%	1/8W
R932	1-216-813-11	METAL CHIP	220	5%	1/10W
R933	1-216-813-11	METAL CHIP	220	5%	1/10W
R934	1-216-813-11	METAL CHIP	220	5%	1/10W
R937	1-216-198-11	RES-CHIP	1K	5%	1/8W
R938	1-216-198-11	RES-CHIP	1K	5%	1/8W
R939	1-216-198-11	RES-CHIP	1K	5%	1/8W
R940	1-216-198-11	RES-CHIP	1K	5%	1/8W
R941	1-216-821-11	METAL CHIP	1K	5%	1/10W

PANEL | POWER AMP

Ref. No.	Part No.	Description	Remark
		< VIBRATOR >	
RES601	1-795-880-11	VIBRATOR, CERAMIC (8.64MHz)	
		< SWITCH >	
S601	1-762-875-21	SWITCH, KEYBOARD (❚❚)	
S602	1-762-875-21	SWITCH, KEYBOARD (■)	
S603	1-762-875-21	SWITCH, KEYBOARD (▶▶ +)	
S604	1-762-875-21	SWITCH, KEYBOARD (▶▶❙)	
S605	1-762-875-21	SWITCH, KEYBOARD (ALBUM +)	
S607	1-762-875-21	SWITCH, KEYBOARD (ALBUM –)	
S608	1-762-875-21	SWITCH, KEYBOARD (❙◀◀)	
S609	1-762-875-21	SWITCH, KEYBOARD (◀◀ –)	
S610	1-762-875-21	SWITCH, KEYBOARD (EDIT/DIRECTION)	
S611	1-762-875-21	SWITCH, KEYBOARD (FM MODE/REPEAT)	
S612	1-762-875-21	SWITCH, KEYBOARD (REC PAUSE/START)	
S613	1-762-875-21	SWITCH, KEYBOARD (GAME MIXING)	
S614	1-762-875-21	SWITCH, KEYBOARD (POWER)	
S615	1-762-875-21	SWITCH, KEYBOARD (DISPLAY)	
S616	1-762-875-21	SWITCH, KEYBOARD (◁▷)	
S617	1-762-875-21	SWITCH, KEYBOARD (DISC 1)	
S618	1-762-875-21	SWITCH, KEYBOARD (DISC 2)	
S619	1-762-875-21	SWITCH, KEYBOARD (DISC 3)	
S620	1-762-875-21	SWITCH, KEYBOARD (DISC SKIP/EX-CHANGE)	
S621	1-762-875-21	SWITCH, KEYBOARD (⏏)	
S622	1-762-875-21	SWITCH, KEYBOARD (EFFECT ON/OFF)	
S623	1-762-875-21	SWITCH, KEYBOARD (MOVIE EQ)	
S624	1-762-875-21	SWITCH, KEYBOARD (↑)	
S625	1-762-875-21	SWITCH, KEYBOARD (↓)	
S626	1-762-875-21	SWITCH, KEYBOARD (→)	
S627	1-762-875-21	SWITCH, KEYBOARD (CD)	
S628	1-762-875-21	SWITCH, KEYBOARD (TUNER/BAND)	
S629	1-762-875-21	SWITCH, KEYBOARD (TAPE A/B)	
S630	1-762-875-21	SWITCH, KEYBOARD (MD(VIDEO))	
S631	1-762-875-21	SWITCH, KEYBOARD (GAME)	
S632	1-762-875-21	SWITCH, KEYBOARD (SURROUND)	
S633	1-762-875-21	SWITCH, KEYBOARD (TUNER MEMORY/ PLAY MODE)	
S634	1-762-875-21	SWITCH, KEYBOARD (CD SYNC)	
S635	1-762-875-21	SWITCH, KEYBOARD (CLEAR) (RG550)	
S635	1-762-875-21	SWITCH, KEYBOARD (SURR SS MODE)	
S636	1-762-875-21	SWITCH, KEYBOARD (ENTER)	
S637	1-762-875-21	SWITCH, KEYBOARD (MUSIC EQ)	
S638	1-762-875-21	SWITCH, KEYBOARD (GAME EQ)	
S639	1-762-875-21	SWITCH, KEYBOARD (GROOVE)	
S640	1-762-875-21	SWITCH, KEYBOARD (P FILE)	
S641	1-762-875-21	SWITCH, KEYBOARD (ILLUMINATION)	
S642	1-762-875-21	SWITCH, KEYBOARD (←)	
		< ROTARY ENCODER >	
VR601	1-477-194-11	ENCODER, ROTARY (12 TYPE) (VOLUME)	
		< VIBRATOR >	
X601	1-760-252-12	VIBRATOR, CRYSTAL (32.768kHz)	

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Ref. No.	Part No.	Description			Remark
	Y-8284-021-A	PLACA AMPLIFICADOR MONTADA			
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		< CAPACITOR >			
C1	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C4	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C5	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C6	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C7	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C8	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C9	1-127-812-11	ELECT	3300uF	20%	63V
C10	1-127-812-11	ELECT	3300uF	20%	63V
C11	1-126-955-51	ELECT	4700uF	20%	35V
C12	1-126-955-51	ELECT	4700uF	20%	35V
C13	1-104-665-11	ELECT	100uF	20%	25V
C22	1-126-959-11	ELECT	0.47uF	20%	50V
C23	1-126-957-11	ELECT	0.22uF	20%	50V
C24	1-126-947-11	ELECT	47uF	20%	25V
C25	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C26	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C30	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C31	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C33	1-128-552-51	ELECT	47uF	20%	63V
C34	1-128-552-51	ELECT	47uF	20%	63V
C35	1-164-344-11	CERAMIC CHIP	0.068uF	10%	25V
C37	1-128-552-51	ELECT	47uF	20%	63V
C40	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C41	1-128-552-51	ELECT	47uF	20%	63V
C42	1-162-945-11	CERAMIC CHIP	22PF	5%	50V
C43	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C45	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C501	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C502	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C503	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C504	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C505	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C506	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C507	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C508	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C509	1-164-733-11	CERAMIC CHIP	820PF	10%	50V
C510	1-164-733-11	CERAMIC CHIP	820PF	10%	50V
C511	1-126-966-11	ELECT	33uF	20%	35V
C512	1-126-966-11	ELECT	33uF	20%	35V
C513	1-126-965-11	ELECT	22uF	20%	50V
C514	1-126-965-11	ELECT	22uF	20%	50V
C517	1-126-960-11	ELECT	1uF	20%	50V
C518	1-126-960-11	ELECT	1uF	20%	50V
C519	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C520	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C521	1-126-961-11	ELECT	2.2uF	20%	50V
C522	1-126-961-11	ELECT	2.2uF	20%	50V
C523	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C524	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C525	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C526	1-164-156-11	CERAMIC CHIP	0.1uF		25V

Ref. No.	Part No.	Description			Remark
C527	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C529	1-126-961-11	ELECT	2.2uF	20%	50V
C530	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C531	1-104-665-11	ELECT	100uF	20%	10V
C532	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C533	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C534	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C535	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C538	1-164-005-11	CERAMIC CHIP	0.47uF		25V
C540	1-107-693-91	CERAMIC CHIP	10uF		
C541	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C542	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C543	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C544	1-165-319-11	CERAMIC CHIP	0.1uF		50V
		< CONNECTOR >			
CN501	1-778-981-21	CONNECTOR, BOARD TO BOARD 13P			
CN502	1-778-981-21	CONNECTOR, BOARD TO BOARD 13P			
		< DIODE >			
D1	6-500-340-01	DIODE G5SBA60L-6088			
D2	6-500-340-01	DIODE G5SBA60L-6088			
D11	8-719-988-61	DIODE 1SS355TE-17			
D12	6-500-334-01	DIODE MC2836			
D13	6-500-335-01	DIODE MC2838			
D16	6-500-335-01	DIODE MC2838			
D17	6-500-334-01	DIODE MC2836			
D18	6-500-335-01	DIODE MC2838			
D19	6-500-334-01	DIODE MC2836			
D20	6-500-335-01	DIODE MC2838			
D23	8-719-988-61	DIODE 1SS355TE-17			
D24	8-719-988-61	DIODE 1SS355TE-17			
D25	8-719-083-67	DIODE UDZS-TE17-20B			
D29	8-719-988-61	DIODE 1SS355TE-17			
D30	8-719-083-52	DIODE UDZS-TE17-16B			
D31	8-719-988-61	DIODE 1SS355TE-17			
D32	8-719-988-61	DIODE 1SS355TE-17			
D33	8-719-988-61	DIODE 1SS355TE-17			
D34	8-719-988-61	DIODE 1SS355TE-17			
D35	8-719-988-61	DIODE 1SS355TE-17			
D36	8-719-988-61	DIODE 1SS355TE-17			
D37	8-719-988-61	DIODE 1SS355TE-17			
D38	8-719-988-61	DIODE 1SS355TE-17			
D39	8-719-988-61	DIODE 1SS355TE-17			
D40	8-719-988-61	DIODE 1SS355TE-17			
D41	8-719-312-08	DIODE FMB-G16L			
D42	8-719-312-08	DIODE FMB-G16L			
D501	6-500-334-01	DIODE MC2836			
D502	6-500-334-01	DIODE MC2836			
D503	6-500-335-01	DIODE MC2838			
D504	6-500-335-01	DIODE MC2838			
D505	8-719-072-89	DIODE 1SS244-T-77			
D506	8-719-072-89	DIODE 1SS244-T-77			
D507	8-719-988-61	DIODE 1SS355TE-17			
D508	8-719-988-61	DIODE 1SS355TE-17			
D509	6-500-335-01	DIODE MC2838			
D510	6-500-334-01	DIODE MC2836			

Ref. No.	Part No.	Description			Remark
D511	8-719-988-61	DIODE 1SS355TE-17			
D513	8-719-988-61	DIODE 1SS355TE-17			
D514	8-719-988-61	DIODE 1SS355TE-17			
D515	8-719-083-70	DIODE UDZS-TE17-27B			
		< EARTH TERMINAL >			
* EP01	1-537-738-21	TERMINAL, EARTH			
* EP501	1-537-738-21	TERMINAL, EARTH			
		< TERMINAL BOARD >			
JK502	1-694-884-11	TERMINAL BOARD (4P) (SPEAKER)			
		< JUMPER RESISTOR >			
JR2	1-216-864-11	METAL CHIP	0	5%	1/10W
JR511	1-216-864-11	METAL CHIP	0	5%	1/10W
JR512	1-216-864-11	METAL CHIP	0	5%	1/10W
JR513	1-216-864-11	METAL CHIP	0	5%	1/10W
JR514	1-216-864-11	METAL CHIP	0	5%	1/10W
JR516	1-216-864-11	METAL CHIP	0	5%	1/10W
JR517	1-216-864-11	METAL CHIP	0	5%	1/10W
		< COIL >			
L501	1-420-872-52	COIL, AIR-CORE			
L502	1-420-872-52	COIL, AIR-CORE			
		< TRANSISTOR >			
Q5	6-550-289-01	TRANSISTOR 2SA1235F			
Q6	8-729-600-91	TRANSISTOR 2SC3052F			
Q7	8-729-600-91	TRANSISTOR 2SC3052F			
Q8	8-729-600-91	TRANSISTOR 2SC3052F			
Q9	8-729-600-91	TRANSISTOR 2SC3052F			
Q10	6-550-316-01	TRANSISTOR 2SB792A(RS)			
Q11	8-729-055-91	TRANSISTOR SRA2202SF			
Q12	6-550-645-01	TRANSISTOR 2SC3143K4-TB			
Q13	6-550-316-01	TRANSISTOR 2SB792A(RS)			
Q17	6-550-289-01	TRANSISTOR 2SA1235F			
Q18	6-550-293-01	FET 2SK2937			
Q19	6-550-293-01	FET 2SK2937			
Q20	6-550-317-01	TRANSISTOR 2SD814A(RS)			
Q21	8-729-600-91	TRANSISTOR 2SC3052F			
Q22	6-550-316-01	TRANSISTOR 2SB792A(RS)			
Q23	6-550-289-01	TRANSISTOR 2SA1235F			
Q24	6-550-289-01	TRANSISTOR 2SA1235F			
Q501	6-550-291-01	TRANSISTOR FN1016			
Q502	6-550-291-01	TRANSISTOR FN1016			
Q503	6-550-292-01	TRANSISTOR FP1016			
Q504	6-550-292-01	TRANSISTOR FP1016			
Q505	6-550-316-01	TRANSISTOR 2SB792A(RS)			
Q506	6-550-316-01	TRANSISTOR 2SB792A(RS)			
Q507	8-729-600-91	TRANSISTOR 2SC3052F			
Q508	8-729-600-91	TRANSISTOR 2SC3052F			

POWER AMP

Ref. No.	Part No.	Description			Remark
Q509	8-729-600-91	TRANSISTOR 2SC3052F			
Q510	8-729-600-91	TRANSISTOR 2SC3052F			
Q511	6-550-413-01	TRANSISTOR 2SC3478LK			
Q512	6-550-413-01	TRANSISTOR 2SC3478LK			
Q513	6-550-413-01	TRANSISTOR 2SC3478LK			
Q514	6-550-413-01	TRANSISTOR 2SC3478LK			
Q515	6-550-317-01	TRANSISTOR 2SD814A(RS)			
Q516	6-550-317-01	TRANSISTOR 2SD814A(RS)			
Q517	6-550-316-01	TRANSISTOR 2SB792A(RS)			
Q518	6-550-316-01	TRANSISTOR 2SB792A(RS)			
Q519	6-550-316-01	TRANSISTOR 2SB792A(RS)			
Q520	6-550-316-01	TRANSISTOR 2SB792A(RS)			
Q521	8-729-600-91	TRANSISTOR 2SC3052F			
Q522	8-729-600-91	TRANSISTOR 2SC3052F			
Q523	8-729-600-91	TRANSISTOR 2SC3052F			
Q524	8-729-600-91	TRANSISTOR 2SC3052F			
Q525	8-729-052-79	TRANSISTOR 2SD1306NETL			
Q526	8-729-052-79	TRANSISTOR 2SD1306NETL			
Q527	6-550-289-01	TRANSISTOR 2SA1235F			
Q529	8-729-600-91	TRANSISTOR 2SC3052F			
Q530	6-550-289-01	TRANSISTOR 2SA1235F			
Q533	6-550-296-01	TRANSISTOR 2SA1980G			
Q534	6-550-296-01	TRANSISTOR 2SA1980G			
Q535	6-550-296-01	TRANSISTOR 2SA1980G			
Q536	6-550-289-01	TRANSISTOR 2SA1235F			
		< RESISTOR >			
R4	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R6	1-216-838-11	METAL CHIP	27K	5%	1/10W
R7	1-216-838-11	METAL CHIP	27K	5%	1/10W
R8	1-216-838-11	METAL CHIP	27K	5%	1/10W
R9	1-216-839-11	METAL CHIP	33K	5%	1/10W
R12	1-216-830-91	METAL CHIP	5.6K	5%	1/16W
R13	1-216-206-00	RES-CHIP	2.2K	5%	1/8W
R14	1-216-830-91	METAL CHIP	5.6K	5%	1/16W
R16	1-216-821-11	METAL CHIP	1K	5%	1/10W
R17	1-216-821-11	METAL CHIP	1K	5%	1/10W
R18	1-216-809-11	METAL CHIP	100	5%	1/10W
R19	1-216-835-11	METAL CHIP	15K	5%	1/10W
R20	1-216-833-11	METAL CHIP	10K	5%	1/10W
R21	1-216-835-11	METAL CHIP	15K	5%	1/10W
R22	1-216-839-11	METAL CHIP	33K	5%	1/10W
R23	1-216-839-11	METAL CHIP	33K	5%	1/10W
R26	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R27	1-216-833-11	METAL CHIP	10K	5%	1/10W
R29	1-216-138-00	METAL CHIP	3.3	5%	1/8W
R31	1-216-138-00	METAL CHIP	3.3	5%	1/8W
R32	1-216-840-11	METAL CHIP	39K	5%	1/10W
R33	1-216-839-11	METAL CHIP	33K	5%	1/10W
R34	1-216-843-91	METAL CHIP	68K	5%	1/10W
R35	1-216-840-11	METAL CHIP	39K	5%	1/10W
R36	1-216-839-11	METAL CHIP	33K	5%	1/10W
R37	1-216-843-91	METAL CHIP	68K	5%	1/10W
R38	1-216-833-11	METAL CHIP	10K	5%	1/10W
R39	1-216-845-11	METAL CHIP	100K	5%	1/10W
R40	1-216-833-11	METAL CHIP	10K	5%	1/10W
R41	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R42	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R43	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R44	1-216-236-11	RES-CHIP	39K	5%	1/8W
R45	1-216-841-11	METAL CHIP	47K	5%	1/10W
R46	1-216-841-11	METAL CHIP	47K	5%	1/10W
R47	1-216-837-11	METAL CHIP	22K	5%	1/10W
R48	1-216-849-11	METAL CHIP	220K	5%	1/10W
R49	1-216-849-11	METAL CHIP	220K	5%	1/10W
R50	1-216-833-11	METAL CHIP	10K	5%	1/10W
R51	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R52	1-216-841-11	METAL CHIP	47K	5%	1/10W
R53	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R54	1-216-835-11	METAL CHIP	15K	5%	1/10W
R55	1-260-101-11	CARBON	1.5K	5%	1/2W F
R56	1-249-420-11	CARBON	1.8K	5%	1/4W
R58	1-216-186-00	RES-CHIP	330	5%	1/8W
R59	1-216-184-00	RES-CHIP	270	5%	1/8W
R60	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R61	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R62	1-216-833-11	METAL CHIP	10K	5%	1/10W
R63	1-216-833-11	METAL CHIP	10K	5%	1/10W
R64	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R65	1-216-833-11	METAL CHIP	10K	5%	1/10W
R66	1-216-833-11	METAL CHIP	10K	5%	1/10W
R67	1-216-841-11	METAL CHIP	47K	5%	1/10W
R68	1-216-833-11	METAL CHIP	10K	5%	1/10W
R69	1-216-833-11	METAL CHIP	10K	5%	1/10W
R70	1-216-835-11	METAL CHIP	15K	5%	1/10W
R71	1-216-835-11	METAL CHIP	15K	5%	1/10W
R72	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R73	1-216-236-11	RES-CHIP	39K	5%	1/8W
R74	1-216-238-11	RES-CHIP	47K	5%	1/8W
R75	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R76	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R77	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R78	1-216-234-00	RES-CHIP	33K	5%	1/8W
R79	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R81	1-260-111-11	CARBON	10K	5%	1/2W F
R82	1-216-833-11	METAL CHIP	10K	5%	1/10W
R83	1-216-208-00	RES-CHIP	2.7K	5%	1/8W
R85	1-216-825-11	METAL CHIP	2.2K	5%	1/10W

POWER AMP

Ref. No.	Part No.	Description			Remark
R86	1-260-105-11	CARBON	3.3K	5%	1/2W F
R90	1-216-222-00	RES-CHIP	10K	5%	1/8W
R91	1-216-178-00	RES-CHIP	150	5%	1/8W
R92	1-260-105-11	CARBON	3.3K	5%	1/2W F
R93	1-216-206-00	RES-CHIP	2.2K	5%	1/8W
R94	1-216-833-11	METAL CHIP	10K	5%	1/10W
R95	1-260-111-11	CARBON	10K	5%	1/2W F
R96	1-216-214-00	RES-CHIP	4.7K	5%	1/8W
R97	1-216-827-91	METAL CHIP	3.3K	5%	1/10W
R98	1-216-827-91	METAL CHIP	3.3K	5%	1/10W
R99	1-260-105-11	CARBON	3.3K	5%	1/2W F
R100	1-216-138-00	METAL CHIP	3.3	5%	1/8W
R102	1-216-216-91	METAL CHIP	5.6K	5%	1/8W
R103	1-216-244-00	RES-CHIP	82K	5%	1/8W
R104	1-216-244-00	RES-CHIP	82K	5%	1/8W
R105	1-216-244-00	RES-CHIP	82K	5%	1/8W
R106	1-216-244-00	RES-CHIP	82K	5%	1/8W
R107	1-216-244-00	RES-CHIP	82K	5%	1/8W
R108	1-216-244-00	RES-CHIP	82K	5%	1/8W
R109	1-216-244-00	RES-CHIP	82K	5%	1/8W
R110	1-216-244-00	RES-CHIP	82K	5%	1/8W
R500	1-216-821-11	METAL CHIP	1K	5%	1/10W
⚠R501	1-245-545-41	METAL OXIDE	0.22	5%	3W F
⚠R502	1-245-545-41	METAL OXIDE	0.22	5%	3W F
⚠R503	1-245-545-41	METAL OXIDE	0.22	5%	3W F
⚠R504	1-245-545-41	METAL OXIDE	0.22	5%	3W F
R505	1-216-809-11	METAL CHIP	100	5%	1/10W
R506	1-216-809-11	METAL CHIP	100	5%	1/10W
R507	1-216-823-91	METAL CHIP	1.5K	5%	1/10W
R508	1-216-823-91	METAL CHIP	1.5K	5%	1/10W
R509	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R510	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R511	1-216-821-11	METAL CHIP	1K	5%	1/10W
R512	1-216-821-11	METAL CHIP	1K	5%	1/10W
R513	1-216-835-11	METAL CHIP	15K	5%	1/10W
R514	1-216-835-11	METAL CHIP	15K	5%	1/10W
R515	1-216-815-11	METAL CHIP	330	5%	1/10W
R516	1-216-815-11	METAL CHIP	330	5%	1/10W
R517	1-216-804-11	METAL CHIP	39	5%	1/10W
R518	1-216-804-11	METAL CHIP	39	5%	1/10W
R519	1-216-804-11	METAL CHIP	39	5%	1/10W
R520	1-216-804-11	METAL CHIP	39	5%	1/10W
R521	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R522	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R523	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R524	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R525	1-216-821-11	METAL CHIP	1K	5%	1/10W
R526	1-216-821-11	METAL CHIP	1K	5%	1/10W
R527	1-216-841-11	METAL CHIP	47K	5%	1/10W
R528	1-216-841-11	METAL CHIP	47K	5%	1/10W
R529	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R530	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R531	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R532	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R533	1-216-809-11	METAL CHIP	100	5%	1/10W

Ref. No.	Part No.	Description			Remark
R534	1-216-809-11	METAL CHIP	100	5%	1/10W
R535	1-216-809-11	METAL CHIP	100	5%	1/10W
R536	1-216-809-11	METAL CHIP	100	5%	1/10W
R537	1-260-328-11	CARBON	1K	5%	1/2W F
R538	1-260-328-11	CARBON	1K	5%	1/2W F
R539	1-216-833-11	METAL CHIP	10K	5%	1/10W
R540	1-216-833-11	METAL CHIP	10K	5%	1/10W
R541	1-216-206-00	RES-CHIP	2.2K	5%	1/8W
R542	1-216-206-00	RES-CHIP	2.2K	5%	1/8W
R543	1-216-206-00	RES-CHIP	2.2K	5%	1/8W
R544	1-216-206-00	RES-CHIP	2.2K	5%	1/8W
R545	1-216-809-11	METAL CHIP	100	5%	1/10W
R546	1-216-809-11	METAL CHIP	100	5%	1/10W
R547	1-216-838-11	METAL CHIP	27K	5%	1/10W
R548	1-216-838-11	METAL CHIP	27K	5%	1/10W
R549	1-216-818-11	METAL CHIP	560	5%	1/10W
R550	1-216-818-11	METAL CHIP	560	5%	1/10W
R553	1-216-838-11	METAL CHIP	27K	5%	1/10W
R554	1-216-838-11	METAL CHIP	27K	5%	1/10W
R555	1-216-841-11	METAL CHIP	47K	5%	1/10W
R556	1-216-841-11	METAL CHIP	47K	5%	1/10W
R557	1-216-821-11	METAL CHIP	1K	5%	1/10W
R558	1-216-821-11	METAL CHIP	1K	5%	1/10W
R559	1-216-828-11	METAL CHIP	3.9K	5%	1/10W
R560	1-216-828-11	METAL CHIP	3.9K	5%	1/10W
R561	1-216-843-11	METAL CHIP	68K	5%	1/10W
R562	1-216-857-11	METAL CHIP	1M	5%	1/10W
R563	1-216-214-00	RES-CHIP	4.7K	5%	1/8W
R564	1-216-214-00	RES-CHIP	4.7K	5%	1/8W
R567	1-216-214-00	RES-CHIP	4.7K	5%	1/8W
R568	1-216-214-00	RES-CHIP	4.7K	5%	1/8W
R569	1-216-853-11	METAL CHIP	470K	5%	1/10W
R570	1-260-076-21	CARBON	10	5%	1/2W F
R571	1-260-076-21	CARBON	10	5%	1/2W F
R574	1-216-182-00	RES-CHIP	220	5%	1/8W
R575	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R576	1-216-837-11	METAL CHIP	22K	5%	1/10W
R577	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R578	1-216-182-00	RES-CHIP	220	5%	1/8W
R580	1-216-150-11	RES-CHIP	10	5%	1/8W
R581	1-216-246-00	RES-CHIP	100K	5%	1/8W
R586	1-216-182-00	RES-CHIP	220	5%	1/8W (RG660)
R587	1-216-182-00	RES-CHIP	220	5%	1/8W (RG660)
R588	1-216-821-11	METAL CHIP	1K	5%	1/10W (RG660)
R589	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R591	1-216-841-11	METAL CHIP	47K	5%	1/10W
R592	1-216-835-11	METAL CHIP	15K	5%	1/10W
R593	1-216-833-11	METAL CHIP	10K	5%	1/10W
R594	1-216-833-11	METAL CHIP	10K	5%	1/10W
⚠R596	1-245-546-41	METAL OXIDE	0.22	5%	2W F

Os componentes identificados com a marca ⚠ são críticos para a segurança. Somente os substitua por peças indicadas nesse manual

Ref. No.	Part No.	Description			Remark
R599	1-216-841-11	METAL CHIP	47K	5%	1/10W
R601	1-216-156-00	RES-CHIP	18	5%	1/8W
R602	1-216-156-00	RES-CHIP	18	5%	1/8W
R603	1-216-156-00	RES-CHIP	18	5%	1/8W
R604	1-216-156-00	RES-CHIP	18	5%	1/8W
		< RELAY >			
RY501	1-755-373-11	RELAY			
		< THERMISTOR >			
TH501	1-805-217-21	THERMISTOR (1012)			
TH502	1-805-217-21	THERMISTOR (1012)			
**********					
		REMOTE BOARD			
		**********			
		< CONNECTOR >			
CN604	1-816-423-11	SOCKET, CONNECTOR 3P			
		< IC >			
RM601	6-600-174-01	IC RPM7240-H4 (IR)			
**********					
	1-687-132-11	SENSOR BOARD			
		**********			
		< CONNECTOR >			
CN731	1-785-329-21	PIN, CONNECTOR (LIGHT ANGLE) 3P			
		< IC >			
IC731	6-600-174-01	IC RPI-576			
**********					
	1-687-669-11	SW BOARD			
		*********			
		< SWITCH >			
S751	1-786-514-11	SWITCH, LEVER (SLIDE) (OPEN/CLOSE DETECT)			
**********					
	1-688-088-11	TRANS BOARD (RG550)			
		**********			
*	1-533-213-31	HOLDER, FUSE			
		< CAPACITOR >			
C901	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C902	1-126-942-61	ELECT	1000uF	20%	25V
		< CONNECTOR >			
CN901	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P			
* CN902	1-764-334-11	PLUG, CONNECTOR 11P			

Ref. No.	Part No.	Description			Remark
		< DIODE >			
D901	8-719-988-61	DIODE 1SS355TE-17 (E2,E3,E51)			
D902	8-719-988-61	DIODE 1SS355TE-17			
D903	8-719-988-61	DIODE 1SS355TE-17			
D904	8-719-988-61	DIODE 1SS355TE-17			
D905	8-719-988-61	DIODE 1SS355TE-17			
D906	8-719-988-61	DIODE 1SS355TE-17 (AEP,UK,MX)			
		< RELAY >			
⚠RY901	1-755-276-11	RELAY			
		< SWITCH >			
⚠S901	1-786-055-21	SW, SL 1-2-3 SWS2301 (VOLTAGE SELECTOR)			
		< TRANSFORMER >			
⚠T902	1-439-981-11	SUB TRANSFORMADOR			
**********					
		VIDEO OUT BOARD			
		**********			
		< CONNECTOR >			
* CN003	1-564-704-11	PIN, CONNECTOR (SMALL TYPE) 2P			
		< JACK >			
JK004	1-785-867-11	JACK, PIN 1P (VIDEO OUT)			
**********					
	1-688-081-21	6 STREAM LED BOARD			
		**********			
		< JUMPER RESISTOR >			
JR002	1-216-864-11	METAL CHIP	0	5%	1/10W
		< DIODE >			
LED601	8-719-085-06	LED HL-30808Q2IT (STREAM 1)			
LED602	8-719-085-06	LED HL-30808Q2IT (STREAM 2)			
LED603	8-719-085-06	LED HL-30808Q2IT (STREAM 3)			
LED604	8-719-085-06	LED HL-30808Q2IT (STREAM 4)			
LED605	8-719-085-06	LED HL-30808Q2IT (STREAM 5)			
LED606	8-719-085-06	LED HL-30808Q2IT (STREAM 6)			
		< RESISTOR >			
R617	1-216-182-00	RES-CHIP	220	5%	1/8W
R618	1-216-182-00	RES-CHIP	220	5%	1/8W
R619	1-216-182-00	RES-CHIP	220	5%	1/8W
R620	1-216-182-00	RES-CHIP	220	5%	1/8W
R621	1-216-182-00	RES-CHIP	220	5%	1/8W
R622	1-216-182-00	RES-CHIP	220	5%	1/8W
R935	1-216-182-00	RES-CHIP	220	5%	1/8W
R936	1-216-182-00	RES-CHIP	220	5%	1/8W
**********					

Os componentes identificados com a marca ⚠ são críticos para a segurança. Somente os substitua por peças indicadas nesse manual

Ref. No.	Part No.	Description	Remark
		MISCELLANEOUS	
		**********	
6	1-769-939-11	WIRE (FLAT TYPE) (11 CORE)	
58	1-769-914-11	WIRE (FLAT TYPE) (9 CORE)	
59	1-773-322-11	WIRE (FLAT TYPE) (31 CORE)	
53	1-827-145-12	WIRE (FLAT TYPE) (13 CORE)	
52	1-796-487-41	DECK, MECHANICAL	
⚠205	1-757-813-23	CABO DE FORÇA	
152	1-776-182-11	WIRE (FLAT TYPE) (5 CORE)	
308	1-687-133-11	MOTOR (LD) BOARD	
317	1-471-035-11	MAGNET ASSY	
327	1-827-146-11	WIRE (FLAT TYPE) (19 CORE)	
356	1-823-859-11	WIRE (FLAT TYPE) (16 CORE)	
⚠F902	1-533-470-11	FUSE, GLASS TUBE (DIA.5) (T3.15AL/250V)	
⚠F903	1-533-472-11	FUSE, GLASS TUBE (DIA.5) (T5AL/250V)	
⚠F904	1-533-472-11	FUSE, GLASS TUBE (DIA.5) (T5AL/250V)	
⚠F905	1-533-472-11	FUSE, GLASS TUBE (DIA.5) (T8AL/250V)	
⚠F906	1-533-472-11	FUSE, GLASS TUBE (DIA.5) (T5AL/250V)	
M731	1-763-488-61	VENTILADOR, DC	
M741	A-4723-963-A	MOTOR ASSY, TABLE (TABLE)	
M751	A-4736-655-A	MOTOR ASSY, LOADING (LOADING)	
309	1-477-680-11	ENCODER, ROTARY (DISC TRAY ADDRESS DETECT)	
⚠T901	1-439-864-11	TRANSFORMADOR DE FORÇA	
TU901	1-693-623-11	BLOCO DE SINTONIA (FM/AM) (ANTENNA)	

ACESSÓRIOS

****

1-501-374-82	ANTENA LOOP
1-528-681-12	PILHA PEQUENA
1-793-184-22	CONECTOR ADAPTADOR (TIPO F)
4-248-631-13	MANUAL DE INSTRUÇÕES
Y-8284-093-A	CONTROLE REMOTO (RM-SRG440)
4-228-953-01	TAMPA PILHA (RM-SRG440)

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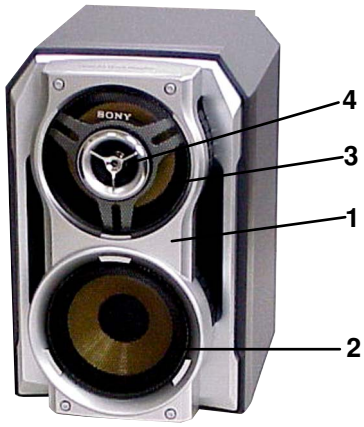
SS-RG660

MANUAL DE SERVIÇO



LISTA DE PEÇAS

	Peça No.	Descrição
	Y-8284-084-A	CONJUNTO DE CAIXAS ACÚSTICAS (PAR)
	6-900-711-00	CAIXA ACÚSTICA MONTADA (UNIDADE)
1	4-245-315-11	PAINEL FRONTAL
2	9-862-591-01	ALTO FALANTE SUPER WOOFER (15cm)
3	9-862-592-01	ALTO FALANTE WOOFER (15cm)
4	9-862-595-01	ALTO FALANTE TWEETER (5cm)

CAIXA ACÚSTICA

SONY®

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Assessoria Técnica Consumidor
Depto. de Suporte e Treinamento
Setembro / 2003
http://www.sony.com.br